

Floor hygiene



STAINLESS STEEL FLOOR DRAINS
FLOOR DRAINS FOR FOOTBATHS
STAINLESS STEEL BUFFER FRAMES
SLOT AND GRID CHANNELS
EXPANSION JOINTS

12
16
17
18
22





STAINLESS STEEL FLOOR DRAINS

HOW TO CHOOSE YOUR DRAIN?

The choice of floor drain depends on several criteria, such as the Load class, the volume of liquid to be drained, and specific structural parameters.

LOAD CLASSES

Load classes for floor drain grids in buildings according to EN-1253



K3 (3 kN)

Areas subject only to pedestrian traffic



R50 (50 kN)

Areas where vehicles are in use



L15 (15 kN)

Commercial spaces with light vehicle traffic



M125 (125 kN)

Areas where vehicles are in use



A15 (15 kN)

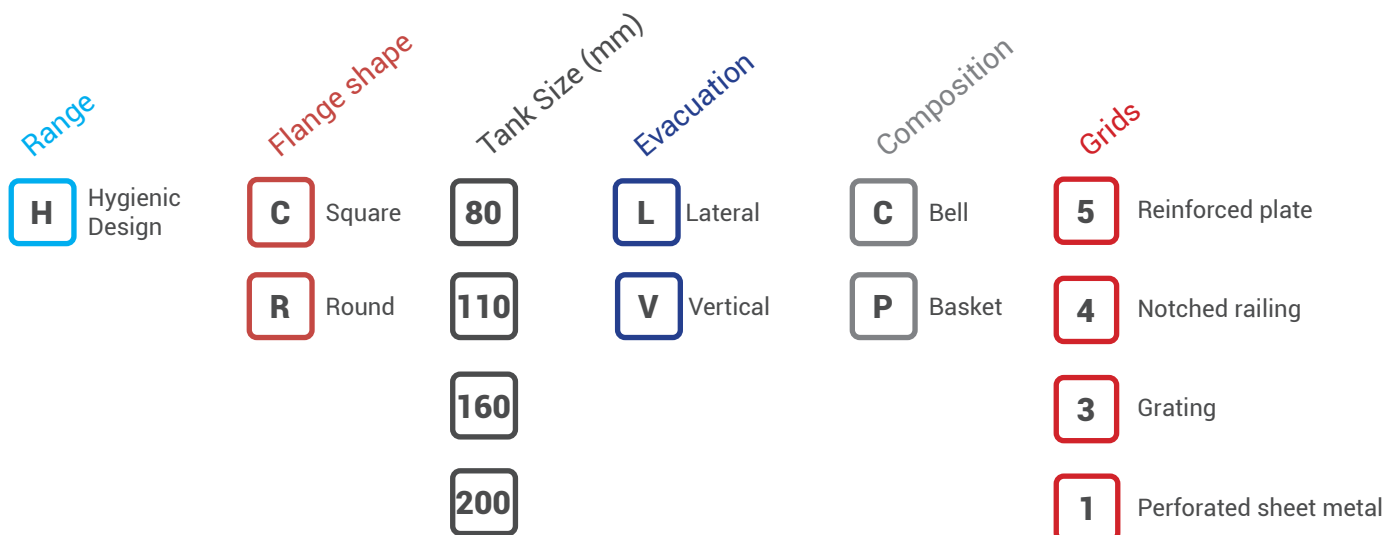
Areas subject to pedestrian and bicycle traffic

The load classes listed are defined under static load conditions.

To select your grating, you will need to answer the following questions:

- Will the grating need to support the load of a pallet or a Forklift truck?
- If it will be subjected to the load of a Forklift truck, what will be the wheels (sizes, types) and the frequency of use?

HOW DO YOU INTERPRET OUR PRODUCT PART NUMBERS?



Example:



Part number HC160VC is a stainless steel trap from the Hygienic Design range, featuring a square flange and a 160mm tank size. It features a vertical drain, a bell, and a serrated bar grid.



STAINLESS STEEL FLOOR DRAINS

All our drains are made of 304L/316L stainless steel. In addition, you can choose the grid best suited to your application, based on the load class and intended use.

Hygienic Design range

The Hygienic Design range of drains has been designed to meet the highest hygiene standards in sensitive industrial environments. Compliant with EHEDG standards, it features a seamless deep-drawn design with an integridd seal to minimize retention areas and the risk of bacterial growth. The absence of a cover plate allows for particularly effective High-pressure jet cleaning, making this line ideally suited for production areas. Its design, which features no right angles and flush welds, facilitates maintenance and ensures optimal hygiene.

The Hygienic Design range also helps reduce production downtime thanks to quick and simplified cleaning. Drainage performance is significantly superior to that of a standard trap, with a flow rate of up to 5.7 L/s (342 L/min), a flow rate up to three times faster. Finally, the Removable water seal allows for thorough cleaning of the trap, ensuring lasting and controlled hygiene.



* These components can be customized to suit your needs.



STAINLESS STEEL FLOOR DRAINS

OUR GRIDS



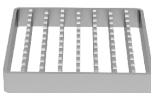
Perforated metal grid (1)



Non-slip grid (3)



Notched bar grid (4)



Reinforced plate (5)



80

Reference	Flange (mm)	Tank (mm)	Water Guard (mm)	DN (Ø mm)	Flow line (mm)	H (mm)	Flange Type	Outlet Type	Bell/ basket	Basket Volume (L)	Compatible Grid Types	Load	Flow Rate (L/s)
HC080VC	100x100	Ø77	18	40	57	57	Square	Vertical	Bell-shaped	Filter	Perforated sheet metal (1)	K3 (3 kN)	0,25



Hygienic Design drain
Vertical outlet

110

Reference	Flange (mm)	Tank (mm)	Water Guard (mm)	DN (Ø mm)	Flow line (mm)	H (mm)	Flange Type	Outlet Type	Bell/ basket	Basket Volume (L)	Compatible Grid Types	Load	Flow Rate (L/s)
HC110VC	150x150	Ø110	50	50	132	132	Square	Vertical	Bell-shaped	Filter	Perforated sheet metal (1)	K3 (3 kN)	0,9
HC110LC	150x150	Ø110	50	50	132	132	Square	Side	Bell-shaped	Filter	Perforated sheet metal (1)	K3 (3 kN)	0,9



Hygienic Design drain
Vertical outlet



Hygienic Design drain
Side outlet



STAINLESS STEEL FLOOR DRAINS

160

Reference	Flange (mm)	Tank (mm)	Water Guard (mm)	DN (Ø mm)	Flow line (mm)	H (mm)	Flange Type	Outlet Type	Bell/ basket	Basket Volume (L)	Compatible Grid Types	Load	Flow Rate (L/s)
HC160VC	150x150	Ø110	50	75	137	137	Square	Vertical	Bell	Filter	Reinforced plate (5)	M125 (125 kN)	0,9
HC160LC	150x150	Ø110	50	75	137	137	Square	Side	Bell	Filter	Reinforced plate (5)	M125 (125 kN)	0,9
HR160VP	Ø200	Ø157	50	75	189	189	Round	Vertical	Basket	0,45	Notched railing (4)	M125 (125 kN)	2,1
											Reinforced plate (5)	M125 (125 kN)	2,1
HR160LP	Ø200	Ø157	50	75	189	189	Round	Side	Basket	0,45	Notched railing (4)	M125 (125 kN)	1,8
											Reinforced plate (5)	M125 (125 kN)	1,8
HC160VP	200x200	Ø157	50	110	192	192	Square	Vertical	Basket	0,5	Non-slip grating (3)	L15 (15 kN)	2,1
											Notched railing (4)	M125 (125 kN)	2,1
											Reinforced plate (5)	M125 (125 kN)	2,1
HC160LP	200x200	Ø157	50	110	202	202	Square	Side	Basket	0,5	Non-slip grating (3)	L15 (15 kN)	1,8
											Notched railing (4)	M125 (125 kN)	1,8
											Reinforced plate (5)	M125 (125 kN)	1,8

200

Reference	Flange (mm)	Tank (mm)	Water Guard (mm)	DN (Ø mm)	Flow line (mm)	H (mm)	Flange Type	Outlet Type	Bell/ basket	Basket Volume (L)	Compatible Grid Types	Load	Flow Rate (L/s)
HR200VC	Ø200	Ø110	50	110	144	144	Round	Vertical	Bell-shaped	Filter	Notched railing (4)	M125 (125 kN)	0,9
											Reinforced plate (5)	M125 (125 kN)	0,9
HR200VP	Ø300	Ø255	50	110	240	240	Round	Vertical	Basket for waste	2,9	Notched railing (4)	M125 (125 kN)	5,7
											Reinforced plate (5)	M125 (125 kN)	5,7
HR200LP	Ø300	Ø255	50	110	260	260	Round	Side	Basket for waste	2,9	Notched railing (4)	M125 (125 kN)	5
											Reinforced plate (5)	M125 (125 kN)	5
HC200VP	300x300	Ø255	50	110	244	244	Square	Vertical	Basket for waste	2,9	Notched railing (4)	M125 (125 kN)	5,7
											Reinforced plate (5)	M125 (125 kN)	5,7
HC200LP	300x300	Ø255	50	110	264	264	Square	Side	Basket for waste	2,9	Notched railing (4)	M125 (125 kN)	5
											Reinforced plate (5)	M125 (125 kN)	5



Square Drain, Hygienic Design
Vertical outlet



Square Drain, Hygienic Design
Side outlet



Round Drain, Hygienic Design
Vertical outlet



Round Drain, Hygienic Design
Side outlet



STAINLESS STEEL FLOOR DRAINS FOR FOOTBATHS

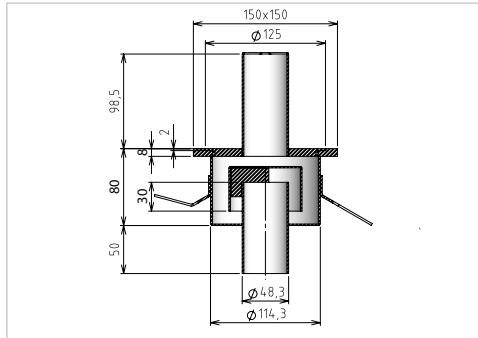
R110CKJ-SPI

FOR BUILT-IN FOOTBATHS

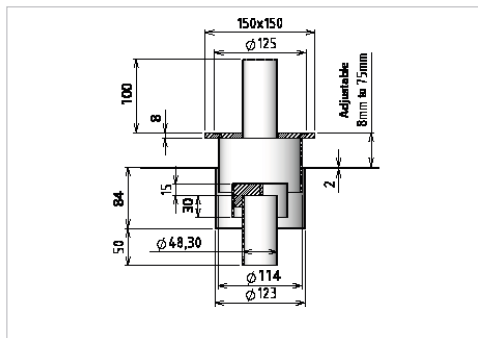
Round-tub footbath drain for tiled footbaths, with overflow tube and grid featuring an O-ring seal.

To be installed in a corner of the footbath.

Made of electropolished 316L stainless steel.



Available with a sealing flange.



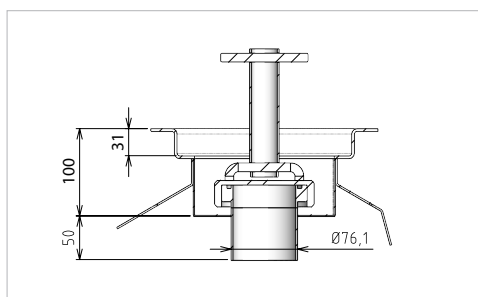
SPC

FOR BUILT-IN FOOTBATHS

Bottom drain for square-tub footbaths for tiled footbaths, with a wrench for opening the SMS plug.

Tank to be embedded

Made of electropolished 316L stainless steel



OTHER GRIDS AVAILABLE



G1 Bar Grid

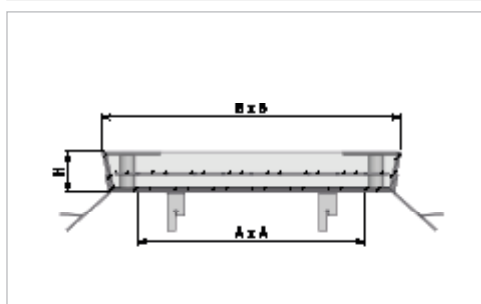


G3 grid
Perforated sheet
metal



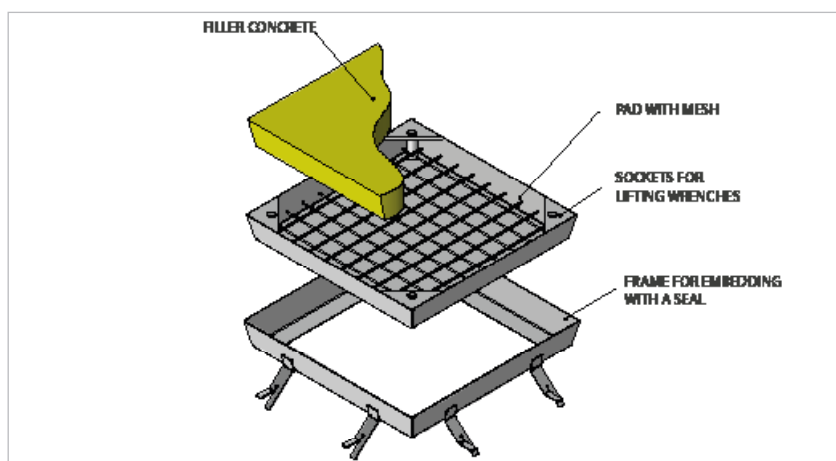
STAINLESS STEEL BUFFER FRAMES

CT



BUFFER FRAMES

Stainless steel buffer frames are used to inspect underground drainage systems.



H (mm)	Part No.	A (mm)	B (mm)	Impact load 100x100	Availability In stock - Upon request
50	CT350	300	415	2,500 daN	Stock
70	CT470	400	525	2,500 daN	Stock
	CT570	500	625	2,500 daN	Stock
	CT670	600	725	2,500 daN	Upon request
	CT770	700	825	2,500 daN	Upon request
100	CT410	400	540	3,900 daN	Stock
	CT510	500	640	3,900 daN	Stock
	CT610	600	740	3,900 daN	Stock
	CT710	700	840	3,900 daN	Upon request
	CT810	800	940	3,900 daN	Stock
	CT910	900	1040	3,900 daN	Upon request
	CT1010	1000	1140	3,900 daN	Upon request

Some precautions to take during installation:

- Fill the cover with concrete, taking into account the height of the tile. Ensure the surface is level before pouring the concrete. The mounting plates for the lifting keys (provided) must be protected during this operation.
- Install the frame.
- Install the concrete cover.
- Never pour concrete over the frame without the cover in place.

OPTIONS



Made of 316L
stainless steel



Safe drainage



STAINLESS STEEL FLOOR GUTTERS

LOAD CLASSES

Load classes for outdoor channel gratings according to EN-1433



A15 (15 kN)

Areas subject to pedestrian and bicycle traffic



B125 (125 kN)

Lateral drainage of passenger car parking lots, sidewalk drainage



C250 (250 kN)

Surfaces subject to light commercial vehicle traffic

The load classes listed are defined under static load conditions.

To select your grating, you will need to answer the following questions:

- Will the grating need to support the load of a pallet or a Forklift truck?
- If the surface is subject to Forklift truck traffic, what will be the wheels' specifications (size, type) and frequency of use?

Why choose our Hygienic Design channels?

- **Time savings during installation ($\approx 13\%$)** Thanks to drain flanges reinforced with epoxy resin or stainless steel plate. Installation and gasket kits are included, ensuring a faster and safer installation.
- **Water savings (up to 94%)** Our channels require only 3 to 4 L of water to flush waste, compared to 90 to 96 L with a standard system.



SLOT AND GRID CHANNELS-2 PRODUCT LINES

Acinox offers two ranges of stainless steel channels tailored to your needs:

Hygienic Design range

Our gratings are designed to optimize installation speed while ensuring a reliable and durable installation. The channel flanges ensure seamless integration with the floor upon installation. The included installation and sealant kits significantly reduce installation time, with an estimated 13% time savings compared to standard installation. Our solutions also stand out for their significant reduction in water consumption during waste drainage. Thanks to their optimized design, only 3 liters of water are needed, compared to 96 liters for a conventional system—a 94% savings. The V-shaped basin bottom promotes rapid drainage of effluent toward the basket, thereby limiting the amount of water required.

These distinctive features ensure a high-performance, cost-effective solution that is perfectly suited to the demands of professional environments.

Standard range

The channels in this line integrate seamlessly into industrial environments where specific sanitary requirements are not necessary. Their durable design and proven performance make them a reliable solution for meeting the varied needs of industrial facilities. Available from stock, they provide an immediate and effective solution for your projects. With a classic and versatile pickled finish and available in brushed or raw versions, these channels are designed to offer great versatility.

What sets them apart from the Hygienic Design range:

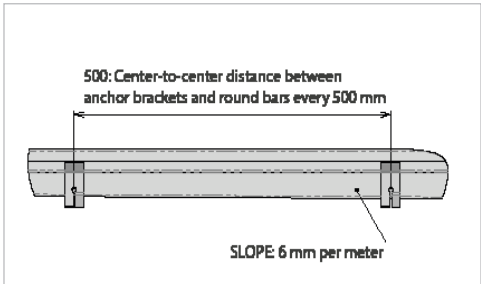
- Permanent water seal trap
- Double-slope flat-bottom channel
- Sturdy, mechanically welded grating





DRAINAGE CHANNEL

CG



DRAINAGE CHANNEL WITH BUILT-IN SLOPE

The standard stainless steel grating channel is designed to drain wastewater containing solid waste. Available in Standard or Hygienic Design finishes.

We custom-manufacture all your channels.

CONSTRUCTION

- 2-millimeter-thick stainless steel sheet.
- Channel width from 100 to 400 millimeters.
- Integridd slope at the bottom of the channel of 0.6% (6 mm/m)
- Bolt-on connecting plates every 3 meters.
- Spacer pins and anchoring brackets every 500 millimeters.
- Option for basket-type traps with vertical or lateral outlets.

Some examples:

Total width	Tank width (in mm)	Grid width (in mm)	Drain dimension (in mm)	Drain diameter (in mm)	Drain Flow Rate (in L/s)
Standard					
220	100	145	100X300	Ø99	2
270	150	195	150X300	Ø99	2
320	200	245	200X300	Ø99	2
370	250	295	250X300	Ø99	2
420	300	345	300X300	Ø99	2
470	350	395	350X350	Ø125	3.6
520	400	445	400X400	Ø125	3.6
Hygienic					
200	132	155	Ø110	Ø110	0.9
240	172	195	Ø157	Ø110	2
330	262	285	Ø204	Ø110	5

For any other dimensions, please contact us.

OPTIONS

* Leveling
cylinders

* Reinforced angle
iron

GUTTER GRIDS



Perforated sheet
metal (1)



Sanitary railing (2)



Non-slip grating
(3)



Notched railing
(4)



Reinforced
(5)





SLOTTED CHANNELS

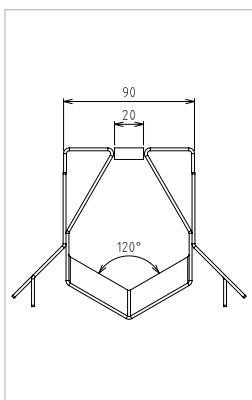
CF

SLOT CHANNEL WITH INTEGRIDD SLOPE

The stainless steel slotted channel is designed to drain wastewater that does not contain solid waste. Available in Standard or Hygienic Design finishes.

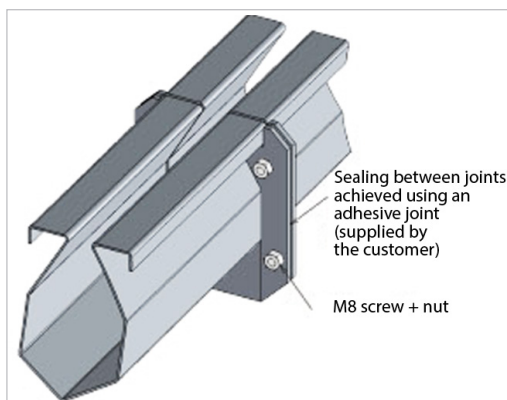
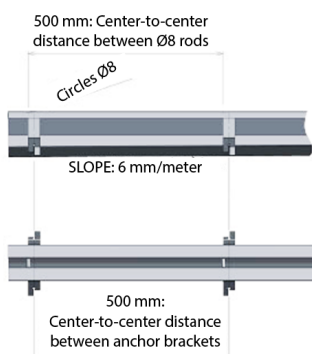
CONSTRUCTION

- 2 mm thick stainless steel sheet
- 20 mm opening at the top
- Built-in slope at the bottom of the channel of 0.6% (6 mm/m)
- Bolt-on connection plates every 3 meters
- Spacer pins and anchor brackets every 500 m
- Option for basket-type traps with vertical or lateral outlets
- 90 mm body width

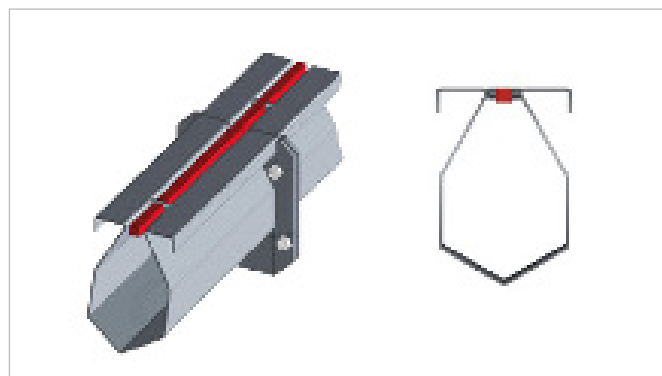
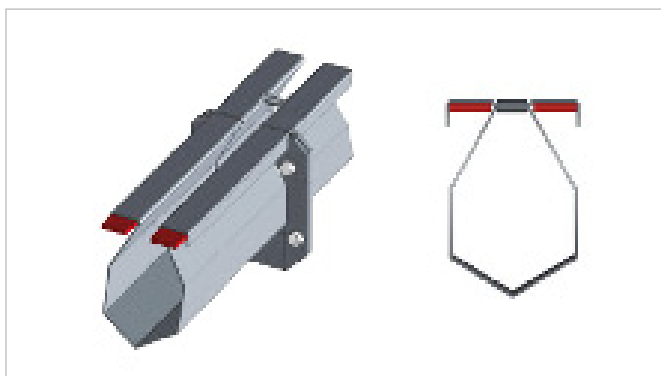


SIDE VIEW

TOP VIEW



OPTIONS





EXPANSION JOINTS



JDS

STANDARD TYPE

Construction:

Made from 40 x 40 x 4 mm angle iron

3-meter-long sections available by special order

Available in stock in 2-meter lengths



JDI 40

CONCEALED TYPE 40

Construction:

Made from 40 x 40 x 4 mm angle iron with a hidden joint

3-meter-long sections available by special order

JDI 50

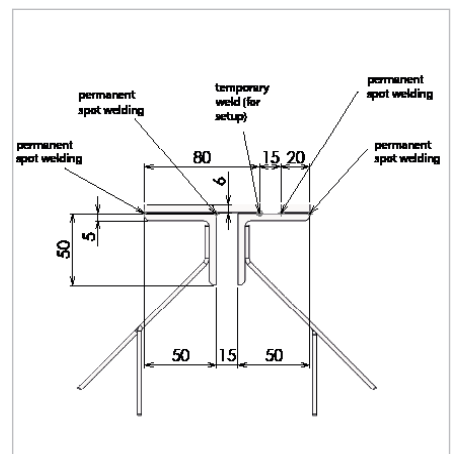
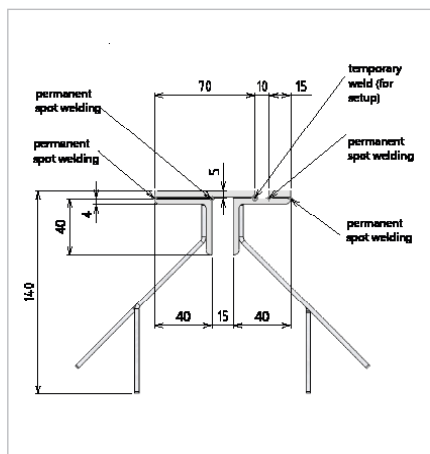
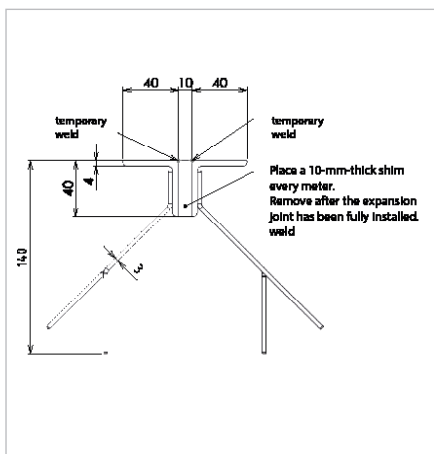
CONCEALED TYPE 50

Construction:

Made from 50 x 50 x 5 mm angle iron with invisible joint

3-meter-long sections available by special order

Available in stock in 2-meter lengths





STAINLESS STEEL ANGLE BARS

TYPE LQ

Application: Dock step nosing

Manufacturing: Made from 40 x 40 x 4 mm angle bar



TYPE L

Application: Manhole frame / angle iron frame

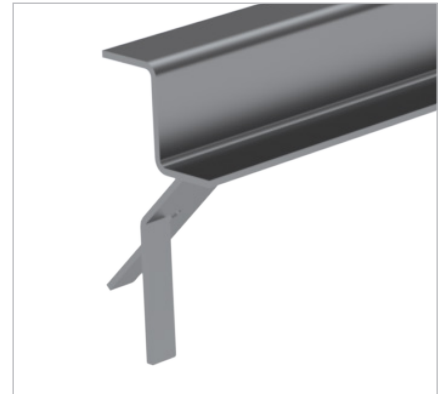
Manufacturing: Made of 40 x 40 x 4 mm angle iron, formed from sheet metal



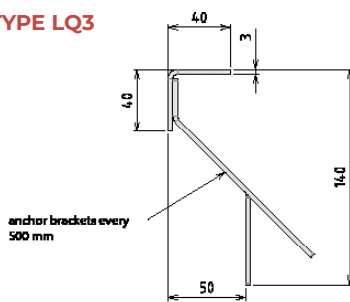
TYPE Z

Application: Angle iron frame

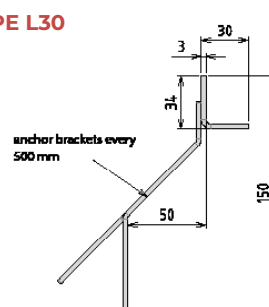
Construction: Made of 50 x 50 x 5 mm angle iron, folded sheet metal



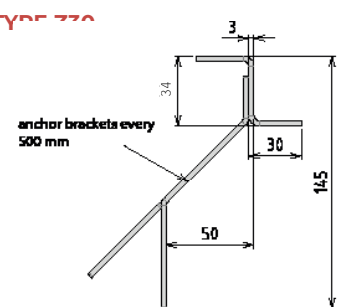
TYPE LQ3



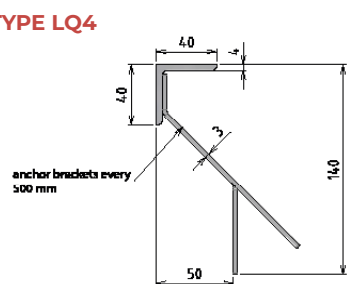
TYPE L30



TYPE Z30

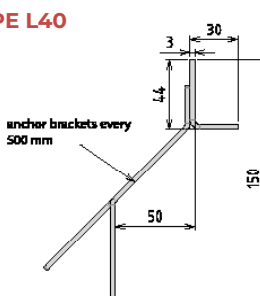


TYPE LQ4

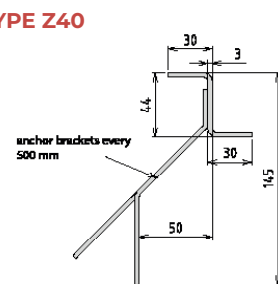


Available in stock in 2-meter lengths

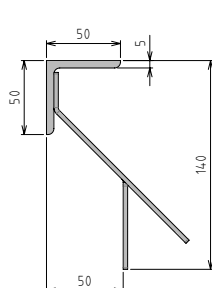
TYPE L40



TYPE Z40



TYPE LQ5



Available in stock in 2-meter lengths