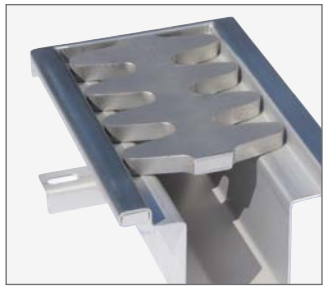

Stainless steel drain technology

Product Catalog

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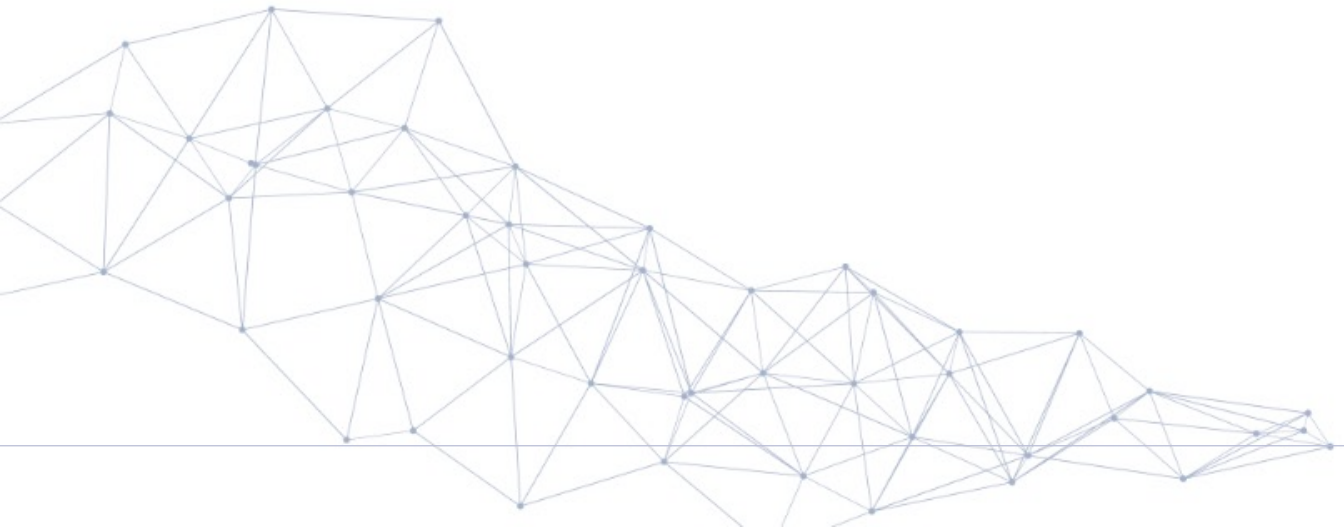


LEADING THROUGH INNOVATION

The success of our customers depends on a well-functioning holistic concept in which all individual components work together harmoniously. Whoever produces hygiene-sensitive products bears with them a certain responsibility. As a successful, producing enterprise you have to keep many aspects of the requirements and regulations of hygiene and food safety in mind.

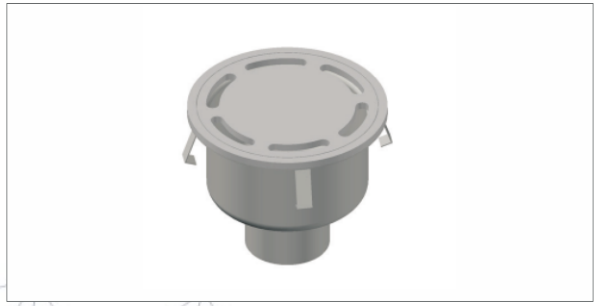
We support you in this task and deliver customized hygiene solutions, as well as innovative technology. We develop the perfect fit, specific to your business, complete hygiene-concept and are reliably, along with our expertise, available by your side. In addition to this, after implementing our solution, we continue to be available to you for advice, regular service and for emergencies.

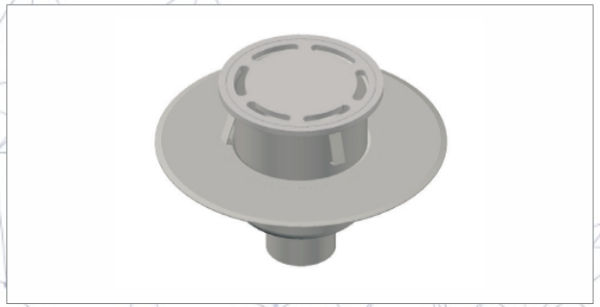
Your PARTNER for HYGIENE and TECHNOLOGY.

Application overview for drains, channels and floor pans

Drains

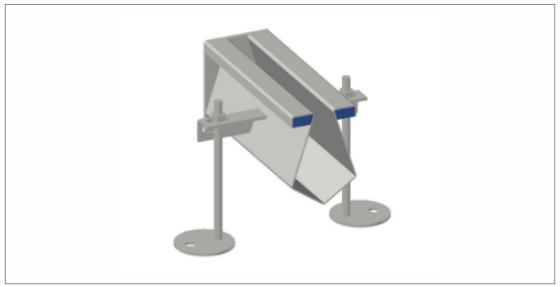
Point drainage solutions in single or two-part designs are available to meet the functional requirement and the installation situation. The single-part, extremely compact design is implemented for floor constructions without special isolation layers. The two-part design with flange for a separate impermeable layer in the floor construction.

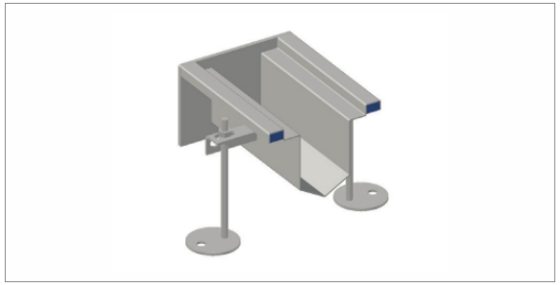




Slotted channels type 140 und box channels type 150

These channel systems are most suitable for drainage of very long passageways in factories and highly loaded through the in-plant transport of goods. As a standard, we implement a specially developed edge lining made of fiber-glass reinforced epoxy resin for all our standard channel systems. Additionally, the drainage channel design allows for optimal access for cleaning and hence ensures perfect hygiene.

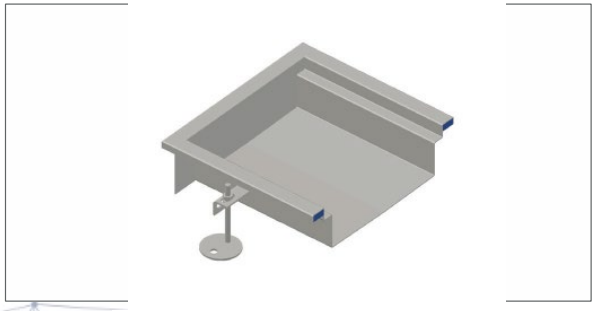


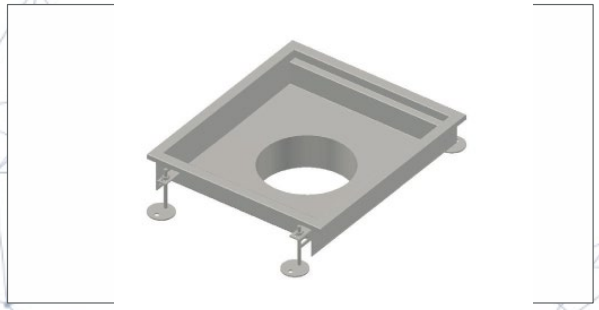


Application overview for drains, channels and floor pans

Box channels type 160 and floor pans type 170

For large flow volumes we are able to provide different box channels or floor pan systems, depending on the specific application requirements. In cases where it is required to handle short-lived yet high temperature fluctuations in the waste fluid, we implement a specially modified channel so as to avoid the formation of expansion cracks at the boundary between channel and floor.

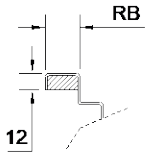


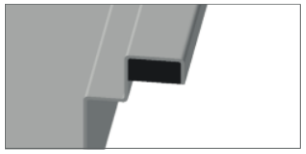


Edge design for slotted-, box channels and floor pans

edge lining made of fiber-glass reinforced epoxy resin RX (standard version)

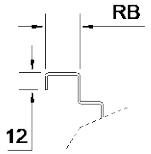
As a standard, we implement a specially develped edge lining made of fiber-glass reinforced epoxy resin for all our drainage channel systems. To be free of voids the edge region is totally filled and the strength is comparable to **industrial concrete. The rough surface of this special** material connects to the floor coating at best. That is the absolute advantage against filling with stainless steel.

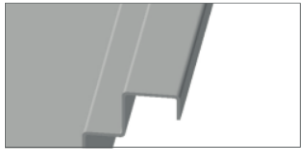




Without reinforcement OR

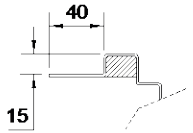
This version is only custom made and for areas without heavy weight congestion. Edge width according to the requirements of box channels or floor pans.

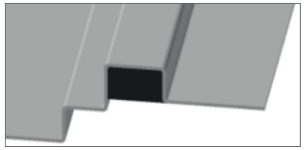




Standard epoxy filling and additional flange all around RXK

For large flow volumes with short-lived yet high temperature fluctuations, the edge is designed with an additional flange to avoid damages due to expansions in the connection to the floor coating.

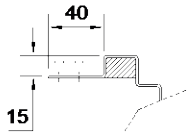


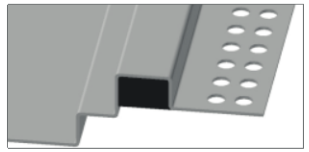


Edge design for slotted-, box channels and floor pans

Standard epoxy filling and additional perforated flange all round RXKL

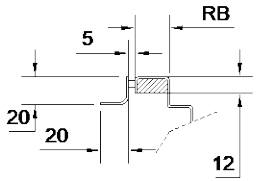
Is used for temperature fluctuations and additional heavy weight congestion. It is important to take care about wedge-shaped filling in the edge region to avoid the formation of expansion cracks at the boundary between channel and floor.

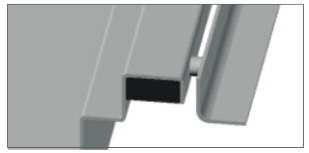




Standard epoxy filling and additional tile angle all round RXFW

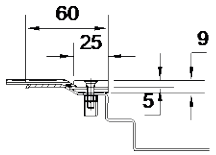
For tile floors, large flow volumes and short-lived yet high temperature fluctuations, the edge is designed with an additional tile angle to create an expansion joint.The distances need to be removed before grouting.

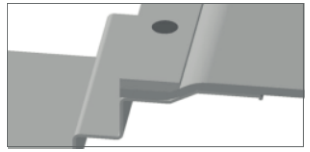




Vinyl - clip frame ORVK

Special version with clip frame for vinyl floors.



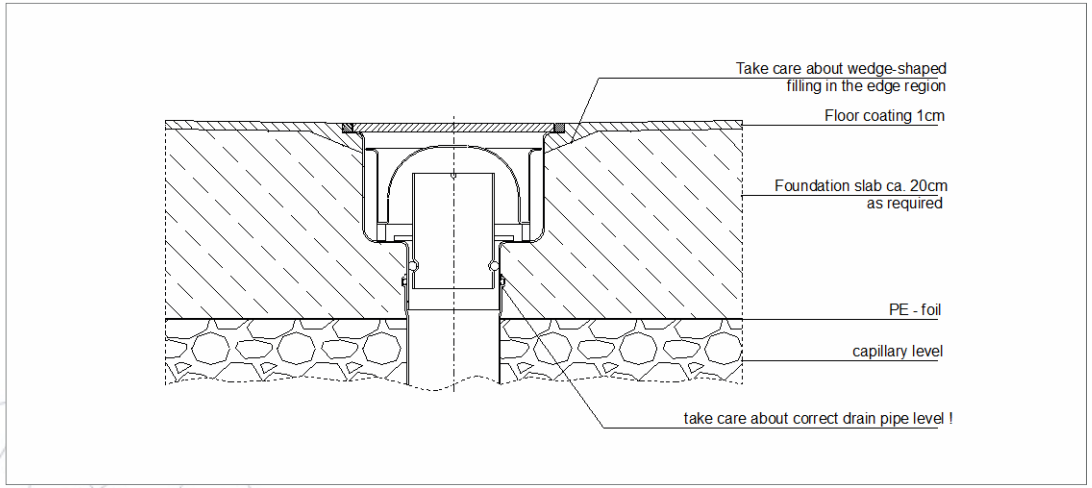


no scale, dimensions in mm

Installation examples for drains

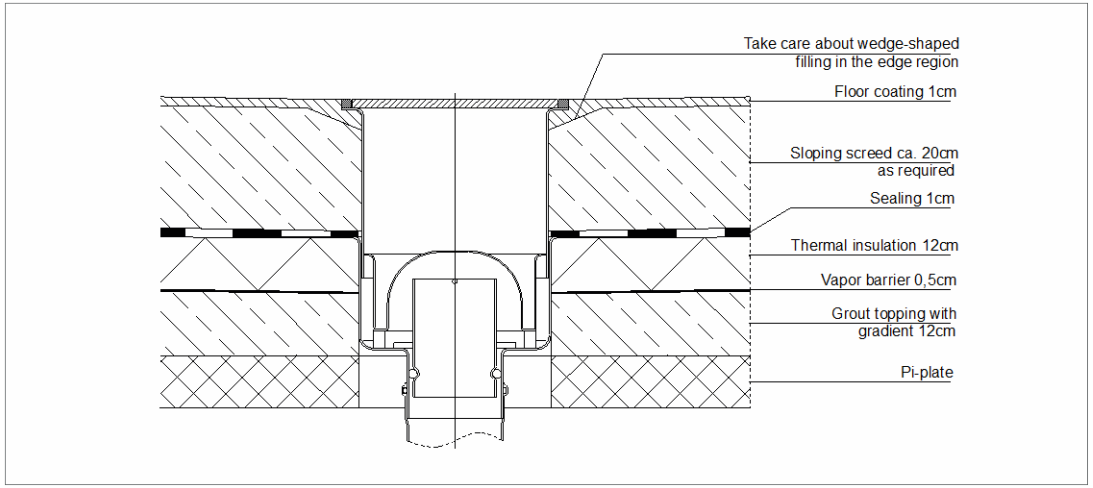
Ground floor / single-part design vertical

Simple floor construction for ground floors without any special requirements due to isolation, cooling etc.



Mezzanines / two-part design drain vertical with isolation flange

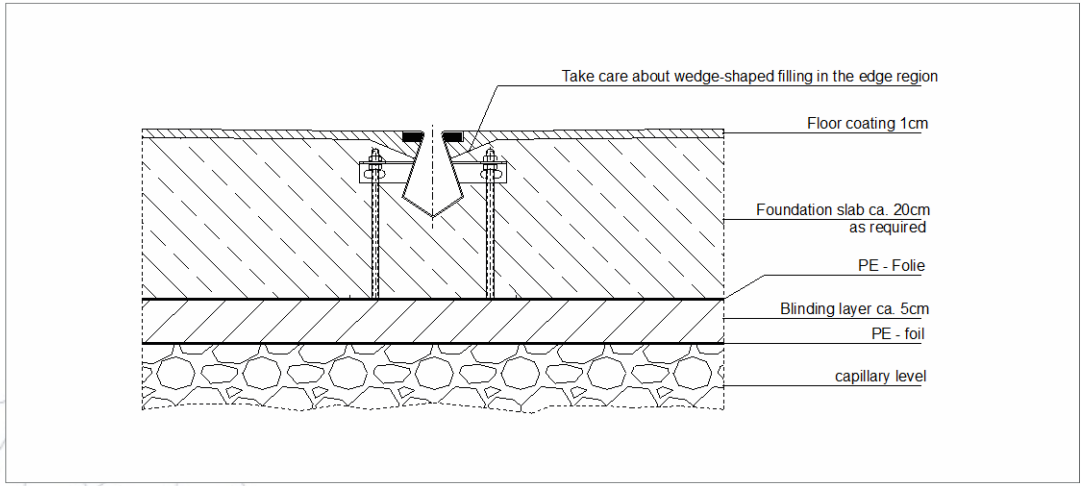
Special floor construction in mezzanines with isolation level to divert seeping water into draining system.



Installation examples for channels

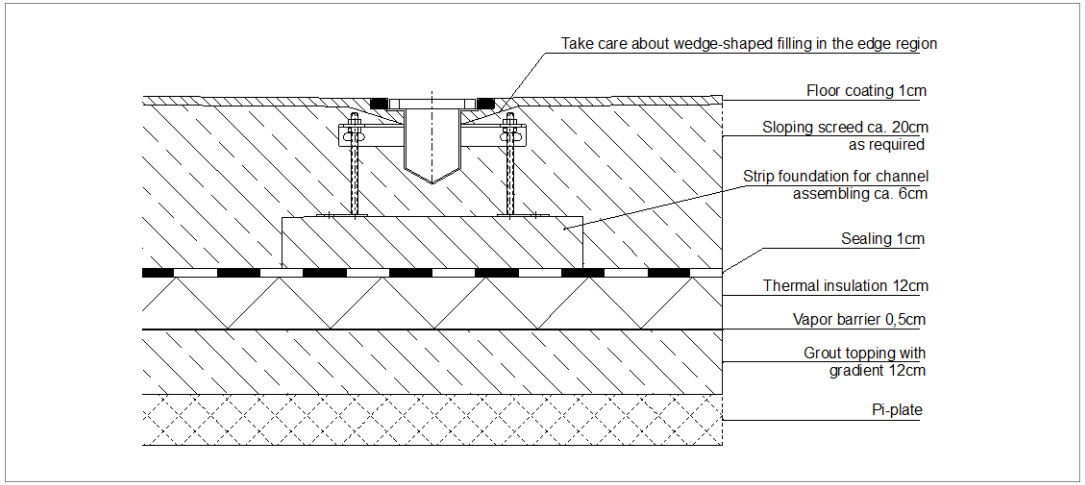
Ground floor / slotted channel mounted on the blinding layer

Simple floor construction for ground floors without any special requirements due to isolation, cooling etc.



Mezzanines / Box channel mounted on a strip foundation to protect isolation

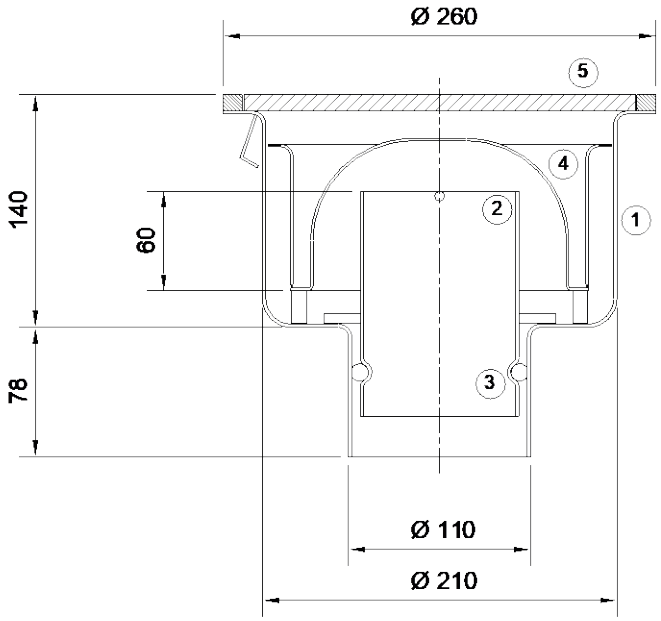
Special floor construction in mezzanines with isolation level to divert seeping water into draining system.



Industry – drain DN 100 single design, vertical

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load.



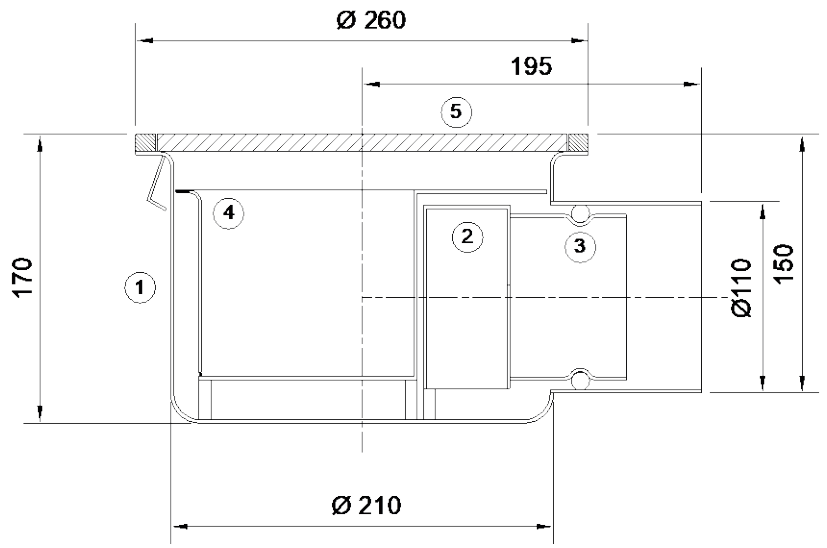
no scale, dimensions in mm

Pos.	Number	Description	Total sys.
1	ATR.100001	Drainbody Ø 110 V, 1.4301, D260	ATR.111.300.101
	ATR.101001	Drainbody Ø 110 V, 1.4301, SQ260	
2	ATR.100023	Syphon pipe DN 100 / V, 1.4301	
3	ATR.100036	O-ring seal DN100	ATR.111.300.501
4	ATR.100188	Basket V with syphon top DN100	
5	ATR.100030	Cover plate D235/10, 1.4301	

Industry – drain DN 100 single design, horizontal

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load.



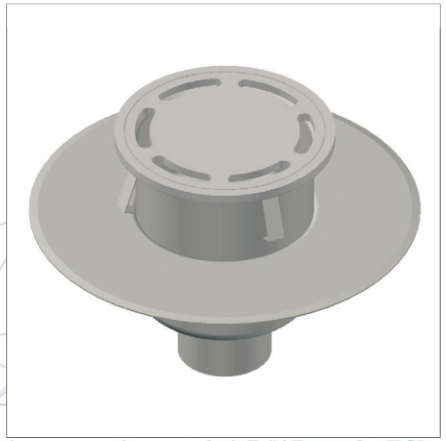
no scale, dimensions in mm

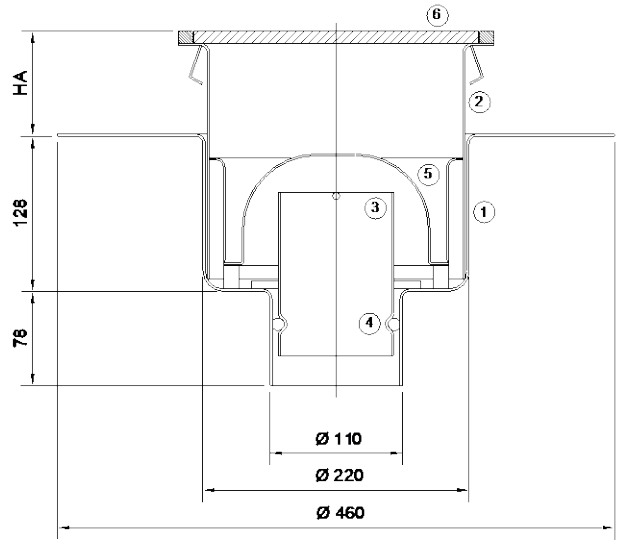
Pos.	Number	Description	Total sys.
1	ATR.100002	Drainbody Ø 110 H, 1.4301, D260	ATR.112.300.101
	ATR.101002	Drainbody Ø 110 H, 1.4301, SQ260	
2	ATR.100024	Syphon pipe DN 100 / H, 1.4301	
3	ATR.100036	O-ring seal DN100	ATR.112.300.501
4	ATR.100228	Basket H with syphon top DN100	
5	ATR.100030	Cover plate D235/10, 1.4301	

Industry – drain DN 100 two-part design, horizontal

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, incl. flange, Upper body adjustable height HA 60-220 or 200-320mm, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load, if required the upper body can be shortened by customers.





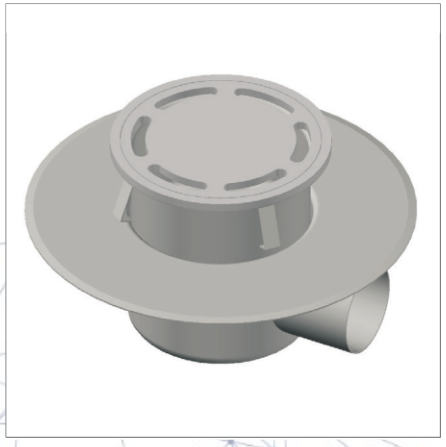
no scale, dimensions in mm

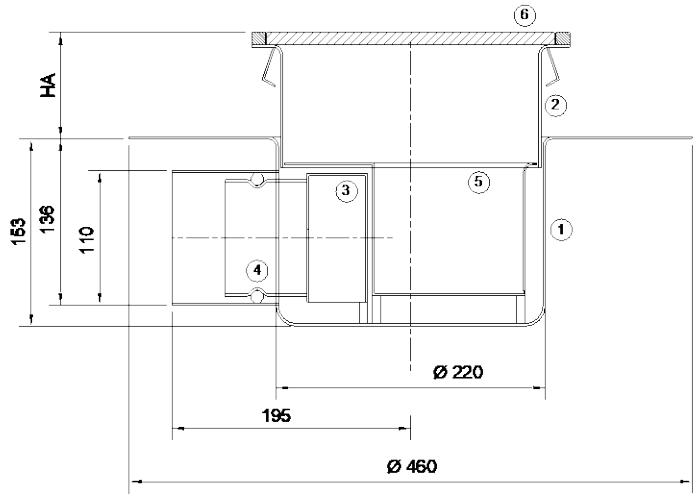
Total system	ATR.121.301.101	ATR.121.302.101	
adjustment range	60 - 220mm	200 - 320mm	
Pos.	**Number**	**Description**	**Total sys.**
1	ATR.100003	Downbody Ø 110 V, 1.4301,D220,FL	ATR.121.3xx.101
2	ATR.100010	Upperbody H250/D260/HA60-220, 1.4301	
	ATR.100011	Upperbody H350/D260/HA200-320, 1.4301	
3	ATR.100023	Syphon pipe DN 100 / V, 1.4301	ATR.121.3xx.501
4	ATR.100036	O-ring seal DN100	
5	ATR.100188	Basket V with syphon top DN100	
6	ATR.100030	Cover plate D235/10, 1.4301	

Industry – drain DN 100 two-part design, vertical

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, incl. flange, Upper body adjustable height HA 60-220 or 200-320mm, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load, if required the upper body can be shortened by customers.





no scale, dimensions in mm

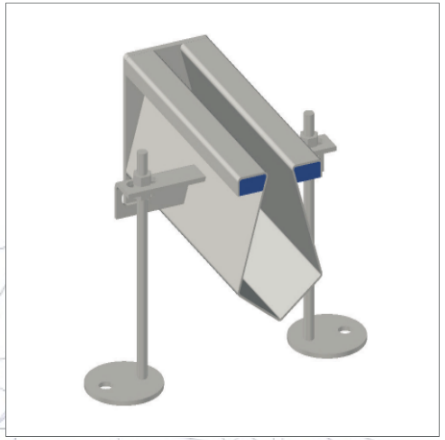
Total system	ATR.122.301.101	ATR.122.302.101
adjustment range	60 - 220mm	200 - 320mm

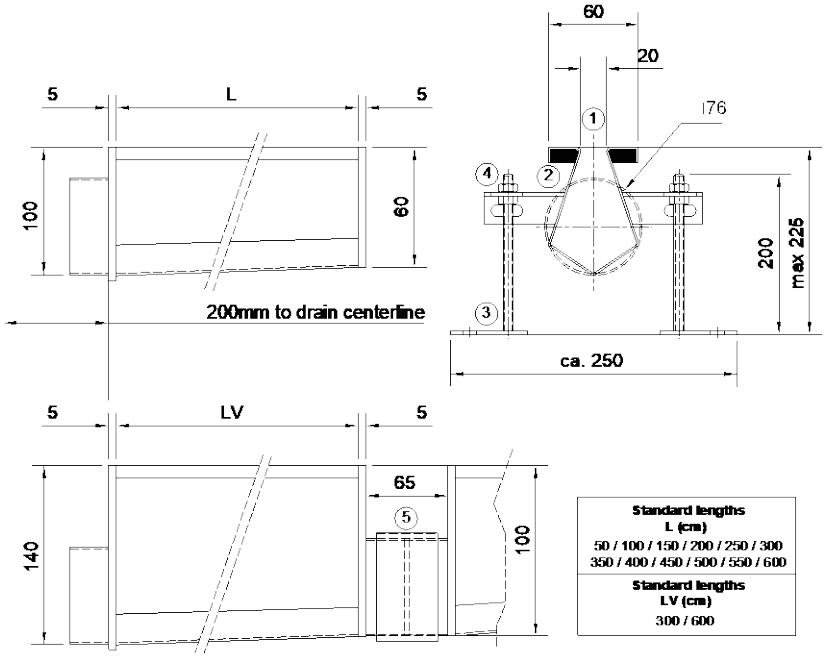
Pos.	Number	Description	Total sys.
1	ATR.100019	Downbody Ø 110 H, 1.4301,D220,FL	ATR.122.3xx.101
2	ATR.100010	Upperbody H250/D260/HA60-220, 1.4301	
	ATR.100011	Upperbody H350/D260/HA200-320, 1.4301	
3	ATR.100024	Syphon pipe DN 100 / H, 1.4301	ATR.122.3xx.501
4	ATR.100036	O-ring seal DN100	
5	ATR.100228	Basket H with syphon top DN100	
6	ATR.100030	Cover plate D235/10, 1.4301	

Industry – slotted channel system standard type 140

Description

High grade stainless steel 1.4301/1,5mm, all visible parts are brushed, incl. longitudinal and transverse gradients, upper edge U-profile folded, incl. adjustable feet made from standard steel (distance approx. 750mm), with concrete anchors between, incl. pipe for drain connection, gradient 0,6%, channel width: 60mm, water inlet width: 20mm, channel depth at the drain inlet approx. 98mm, minimum installation depth 140mm, total length =L+10mm, incl. edge reinforcement with fiber-glass epoxy resin.





Standard lengths L (cm)
50 / 100 / 150 / 200 / 250 / 300 350 / 400 / 450 / 500 / 550 / 600
Standard lengths LV (cm)
300 / 600

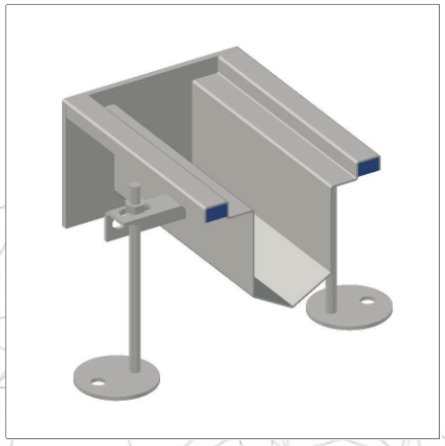
no scale, dimensions in mm

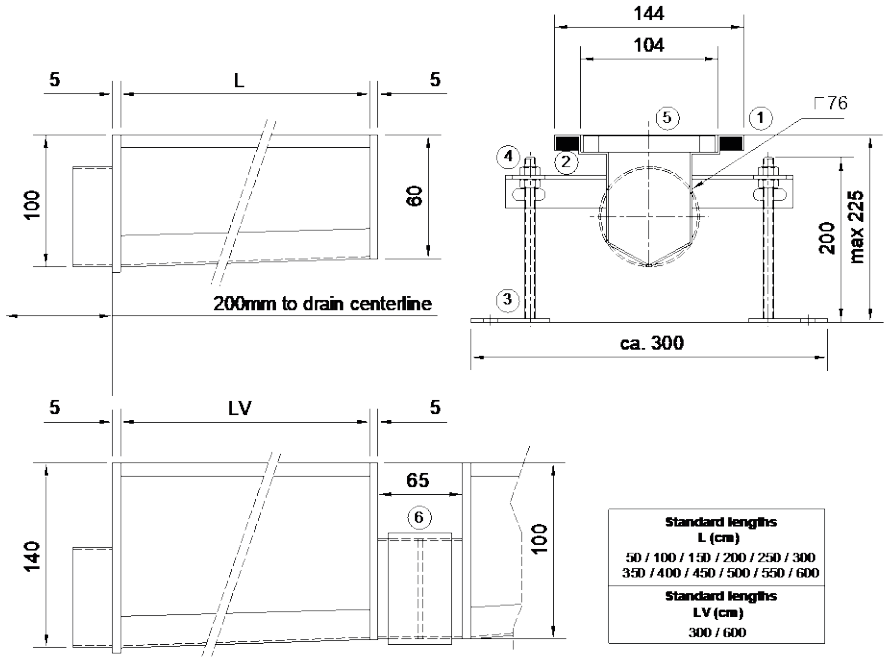
Pos.	Number	Description	Total sys.
1	ATR.142 . . .	Slotted channel L___cm/h100/20/RX	ATR.142.0xx.020
	ATR.149 . . .	Slotted channel LV___cm/h140-100/20/RX	xx = L(cm)/10
2	ATR.130005	Epoxy filling channel edge	
3	ATR.103200	Adjustable feet St37 L200mm	ATR.149.0xx.020
4	ATR.100072	Hex nut M8 St37	xx = LV(cm)/10
5	ATR.100028	CV connector DN 70	

Industry – box channel system standard type 150

Description

High grade stainless steel 1.4301/1,5mm, all visible parts are brushed, incl. longitudinal and transverse gradients, upper edge U-profile folded, incl. adjustable feet made from standard steel (distance approx. 750mm), with concrete anchors between, incl. pipe for drain connection, gradient 0,6%, channel width: 144mm, water inlet width: 104mm, channel depth at the drain inlet approx. 98mm, minimum installation depth 140mm, total length =L+10mm, incl. edge reinforcement with fiber-glass epoxy resin, incl. special cover **plate made from 12mm stainless steel 1.4301**





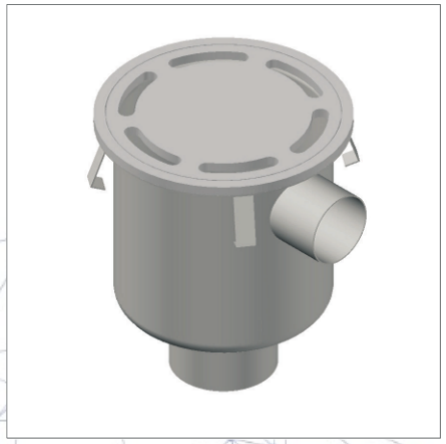
no scale, dimensions in mm

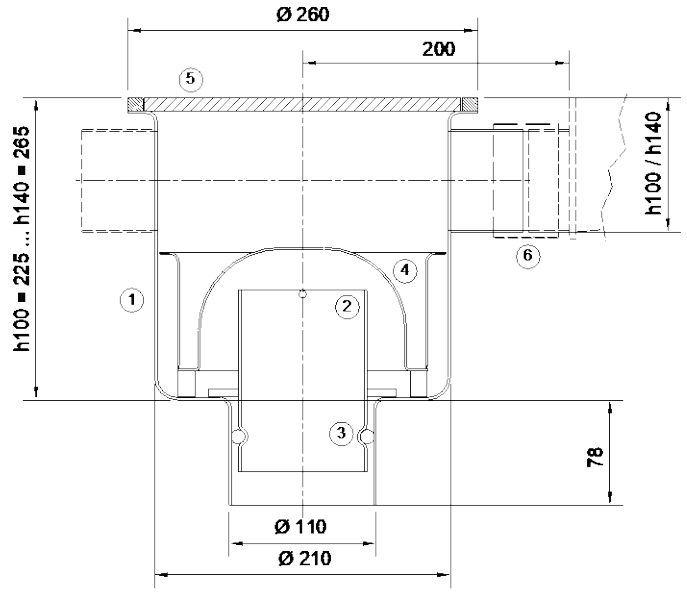
Pos.	Number	Description	Total sys.
1	ATR 152 . . .	Box channel 152 L___cm/h100/12/RX	ATR 152.0xx.112
	ATR 159 . . .	Box channel 152 LV___cm/h140-100/12/RX	xx = L(cm)/10
2	ATR 130005	Epoxy filling channel edge	
3	ATR 103200	Adjustable feet St37 L200mm	ATR 159.0xx.112
4	ATR 100072	Hex nut M8 St37	xx = LV(cm)/10
5	ATR 191521	Cover plate 152 L500/12-1.4301	
6	ATR 100028	CV connector DN 70	

Industry – drain DN 100 single design, vertical, connection D76 for slotted channels type 140 and box channels type 150

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, incl. connection for slotted channels type 140 and box channels type 150, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load.





no scale, dimensions in mm

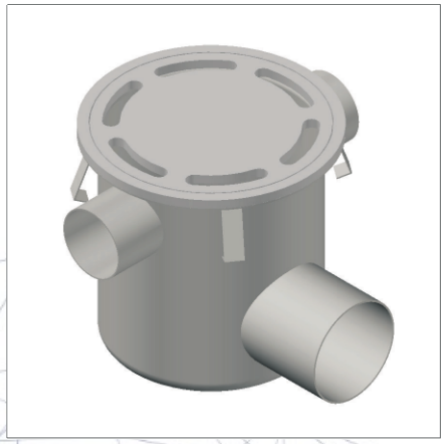
Total system	ATR.111.341.101	ATR.111.342.101	ATR.111.345.101	ATR.111.346.101
Positioning	h100	h100 h100	h140	h140 h140

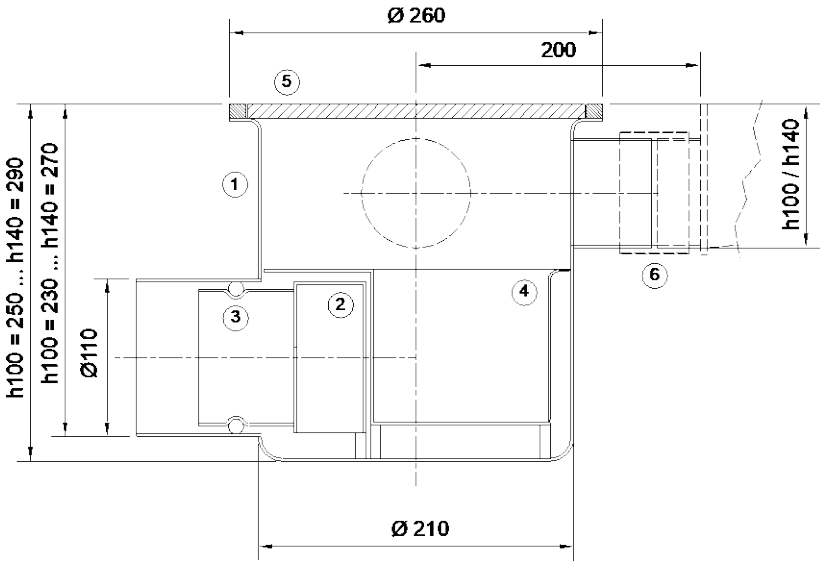
Pos.	Number	Description	Total sys.
1	ATR.100006	Drainbody Ø 110 V,D260,100/0/0/0	ATR.111.3xx.101
	ATR.100007	Drainbody Ø 110 V,D260,100/0/100/0	
	ATR.100008	Drainbody Ø 110 V,D260,140/0/0/0	
	ATR.100009	Drainbody Ø 110 V,D260,140/0/140/0	
2	ATR.100023	Syphon pipe DN 100 / V, 1.4301	ATR.111.3xx.501
3	ATR.100036	O-ring seal DN100	
4	ATR.100188	Basket V with syphon top DN100	
5	ATR.100030	Cover plate D235/10, 1.4301	
6	ATR.100028	CV connector DN 70	

Industry – drain DN 100 single design, horizontal, connection D76 for slotted channels type 140 and box channels type 150

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, incl. connection for slotted channels type 140 and box channels type 150, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load.





no scale, dimensions in mm

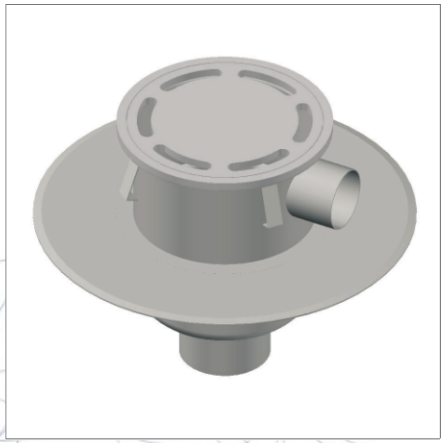
Total system	ATR.112.341.101	ATR.112.342.101	ATR.112.345.101	ATR.112.346.101
Positioning	h100	h100 h100	h140	h140 h140

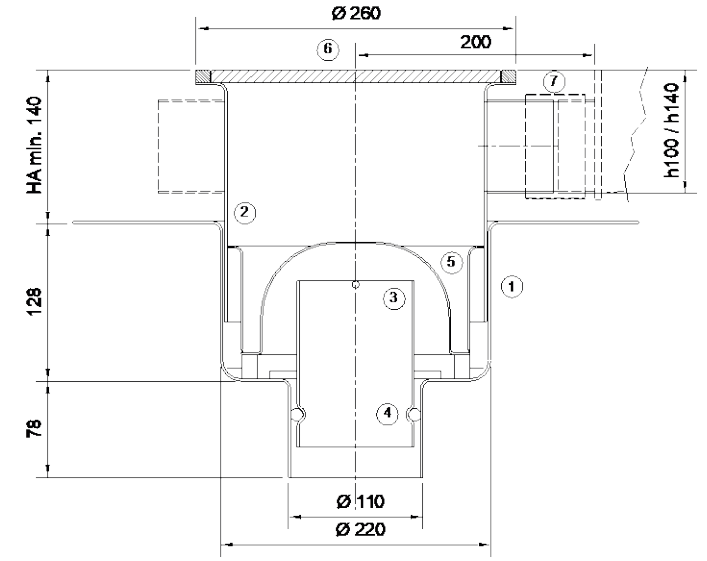
Pos.	Number	Description	Total sys.
1	ATR.100106	Drainbody Ø 110 H,D260,100/0/0/0	ATR.112.3xx.101
	ATR.100107	Drainbody Ø 110 H,D260,100/0/100/0	
	ATR.100108	Drainbody Ø 110 H,D260,140/0/0/0	
	ATR.100109	Drainbody Ø 110 H,D260,140/0/140/0	
2	ATR.100024	Syphon pipe DN 100 / H, 1.4301	ATR.112.3xx.501
3	ATR.100036	O-ring seal DN100	
4	ATR.100228	Basket H with syphon top DN100	
5	ATR.100030	Cover plate D235/10, 1.4301	
6	ATR.100028	CV connector DN 70	

Industry – drain DN 100 two-part design, vertical, connection D76 for slotted channels type 140 and box channels type 150

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, incl. flange, Upper body adjustable height HA 140-220 or 200-320mm, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load, if required the upper body can be shortened by customers, incl. connection for slotted channels type 140 and box channels type 150.





no scale, dimensions in mm

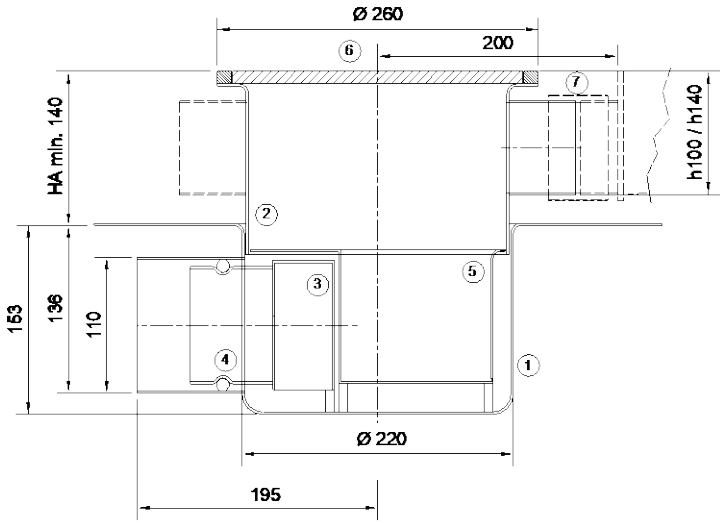
Total system	ATR.121.341.101	ATR.121.342.101	ATR.121.345.101	ATR.121.346.101
Positioning	h100	h100 h100	h140	h140 h140

Pos.	Number	Description	Total sys.
1	ATR.100003	Downbody Ø 110 V, 1.4301,D220,FL	
2	ATR.100060	Upperbody D260/HA140-220,100/0/0/0	ATR.121.3xx.101
	ATR.100061	Upperbody D260/HA140-220,100/0/100/0	
	ATR.100062	Upperbody D260/HA200-320,140/0/0/0	
	ATR.100063	Upperbody D260/HA200-320,140/0/140/0	
3	ATR.100023	Syphon pipe DN 100 / V, 1.4301	ATR.121.3xx.501
4	ATR.100036	O-ring seal DN100	
5	ATR.100188	Basket V with syphon top DN100	
6	ATR.100030	Cover plate D235/10, 1.4301	
7	ATR.100028	CV connector DN 70	

Industry – drain DN 100 two-part design, horizontal, connection D76 for slotted channels type 140 and box channels type 150

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, incl. flange, Upper body adjustable height HA 140-220 or 200-320mm, removable syphon pipe stainless steel with O-ring seal (water column 60mm), cover plate 10mm made from stainless steel 1.4301 with round inlet slots, 4 concrete anchors all around, flow volume: 80 l/min, 850kg point load, 6500kg uniformly distributed load, if required the upper body can be shortened by customers, incl. connection for slotted channels type 140 and box channels type 150.



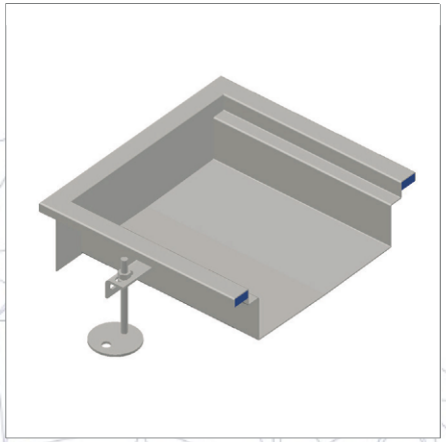
no scale, dimensions in mm

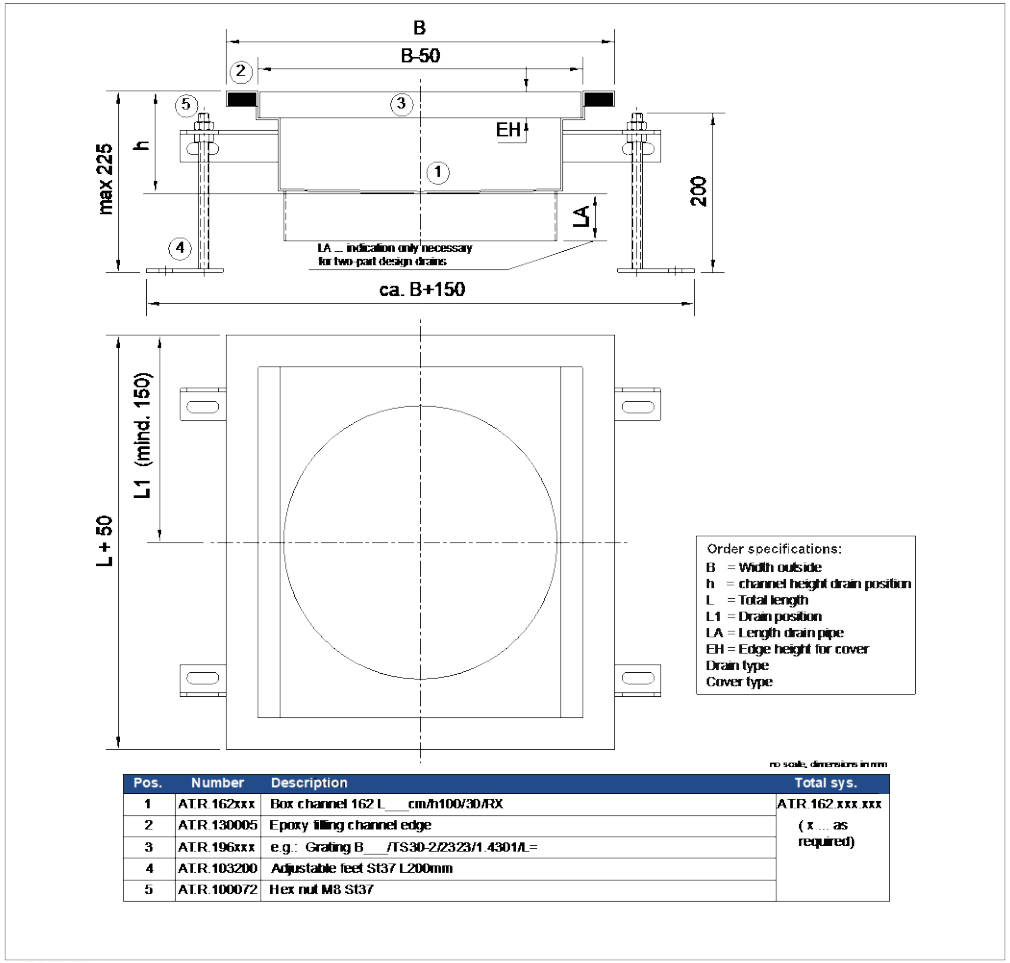
Total system		ATR.122.341.101	ATR.122.342.101	ATR.122.345.101	ATR.122.346.101
Positioning		h100	h100 h100	h140	h140 h140
Pos.	**Number**	**Description**			**Total sys.**
1	ATR.100019	Downbody Ø 110 H, 1.4301,D220,FL			
2	ATR.100060	Upperbody D260/HA140-220,100/0/0/0			ATR.122.3xx.101
	ATR.100061	Upperbody D260/HA140-220,100/0/100/0			
	ATR.100062	Upperbody D260/HA200-320,140/0/0/0			
	ATR.100063	Upperbody D260/HA200-320,140/0/140/0			
3	ATR.100024	Syphon pipe DN 100 / H, 1.4301			ATR.122.3xx.501
4	ATR.100036	O-ring seal DN100			
5	ATR.100228	Basket H with syphon top DN100			
6	ATR.100030	Cover plate D235/10, 1.4301			
7	ATR.100028	CV connector DN 70			

Industry – box channel system standard type 160

Description

High grade stainless steel 1.4301/1,5mm, all visible parts are brushed, incl. longitudinal and transverse gradients, upper edge U-profile folded, incl. adjustable feet made from standard steel (distance approx. 750mm), with concrete anchors between, incl. pipe for drain connection for single or two-part designed drain, gradient 0,6%, water inlet width: channel width B-50mm, channel depth at the drain inlet approx. 100mm, minimum installation depth 120mm, total length =L+50mm, incl. edge reinforcement with fiber-glass epoxy resin, standard cover grating made from stainless steel 1.4301, mesh size 23/23, TS30/2, slip resistant, different cover versions are available.



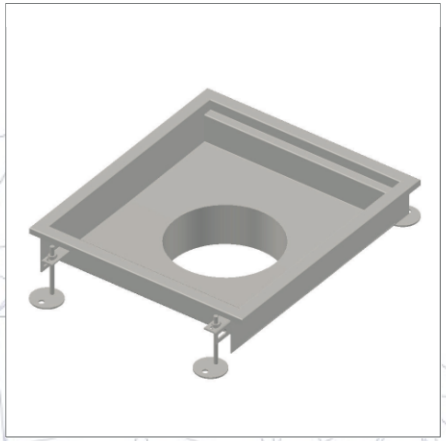


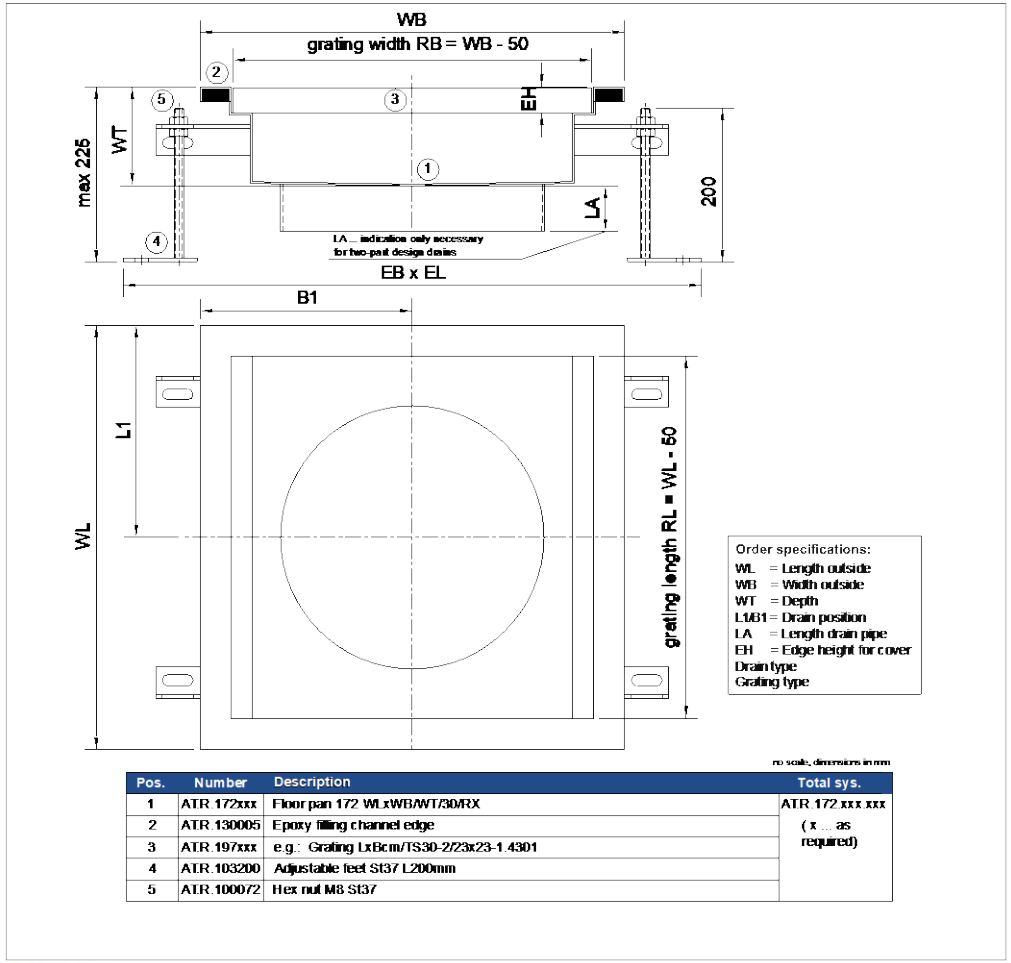
Pos.	Number	Description	Total sys.
1	ATR.162xxx	Box channel 162 L___cm/h100/30/RX	ATR.162.xxx.xxx
2	ATR.130005	Epoxy filling channel edge	(x ... as required)
3	ATR.196xxx	e.g.: Grating B___/TS30-2/2323/1.4301/L=	
4	ATR.103200	Adjustable feet St37 L200mm	
5	ATR.100072	Hex nut M8 St37	

Industry – floor pan system standard type 170

Description

High grade stainless steel 1.4301/1,5mm, all visible parts are brushed, incl. longitudinal and transverse gradients, upper edge U-profile folded, incl. adjustable feet made from standard steel (distance approx. 750mm), with concrete anchors between, incl. pipe for drain connection for single or two-part designed drain, gradient depends on size (min. 0,6%), incl. edge reinforcement with fiber-glass epoxy resin, standard cover grating made from stainless steel 1.4301, mesh size 23/23, TS30/2, slip resistant, different cover versions are available, grating width RB = grating main beam length TSL, minimum installation measurements EL x EB: box channel outside dimensions (WL, WB) each +150mm.



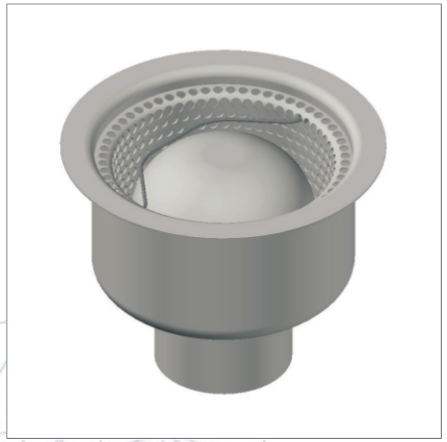


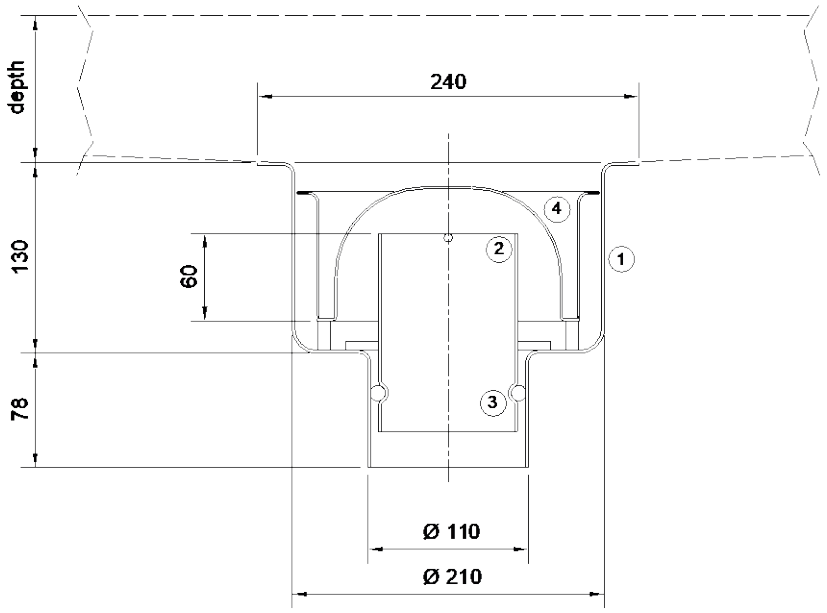
Pos.	Number	Description	Total sys.
1	ATR 172xxx	Floor pan 172 WLxWB/WT/30/RX	ATR 172.xxx.xxx
2	ATR 130005	Epoxy filling channel edge	(x ... as required)
3	ATR 197xxx	e.g.: Grating LxBcm/TS30-2/23x23-1.4301	
4	ATR 103200	Adjustable feet St37 L200mm	
5	ATR 100072	Hex nut M8 St37	

Industry – drain DN 100 single design, vertical, for box channels type 160 and floor pans type 170

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, removable syphon pipe stainless steel with O-ring seal (water column 60mm), welded on box channels type 160 and floor pans type 170, 4 concrete anchors all around, flow volume: 80 l/min.





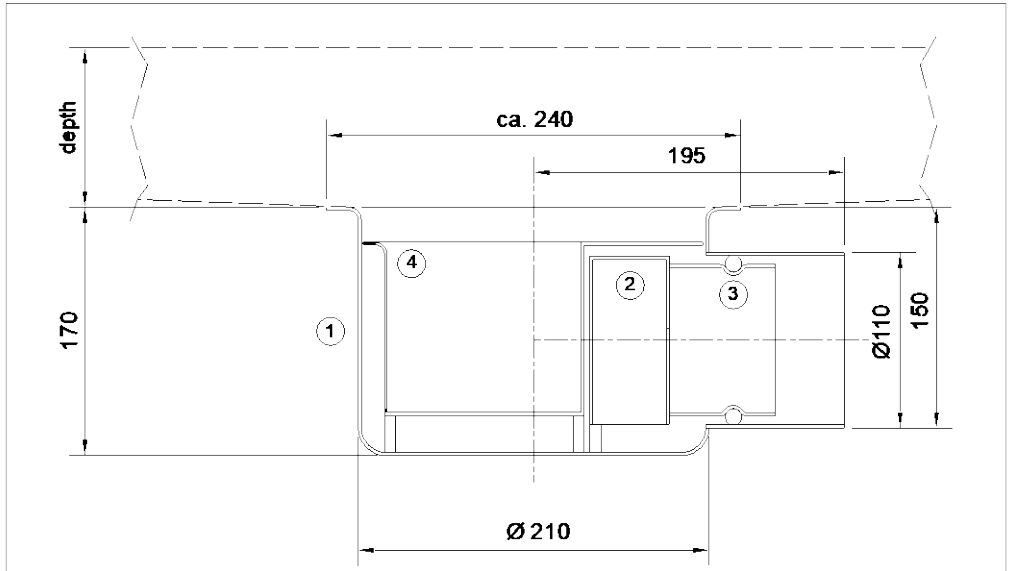
no scale, dimensions in mm

Pos.	Number	Description	Total sys.
1	ATR.100901	Drainbody Ø 110 VC, 1.4301	ATR.111360.000
2	ATR.100023	Syphon pipe DN 100 / V, 1.4301	
3	ATR.100036	O-ring seal DN100	
4	ATR.100188	Basket V with syphon top DN100	

Industry – drain DN 100 single design, horizontal, for box channels type 160 and floor pans type 170

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, removable syphon pipe stainless steel with O-ring seal (water column 60mm), welded on box channels type 160 and floor pans type 170, 4 concrete anchors all around, flow volume: 80 l/min.



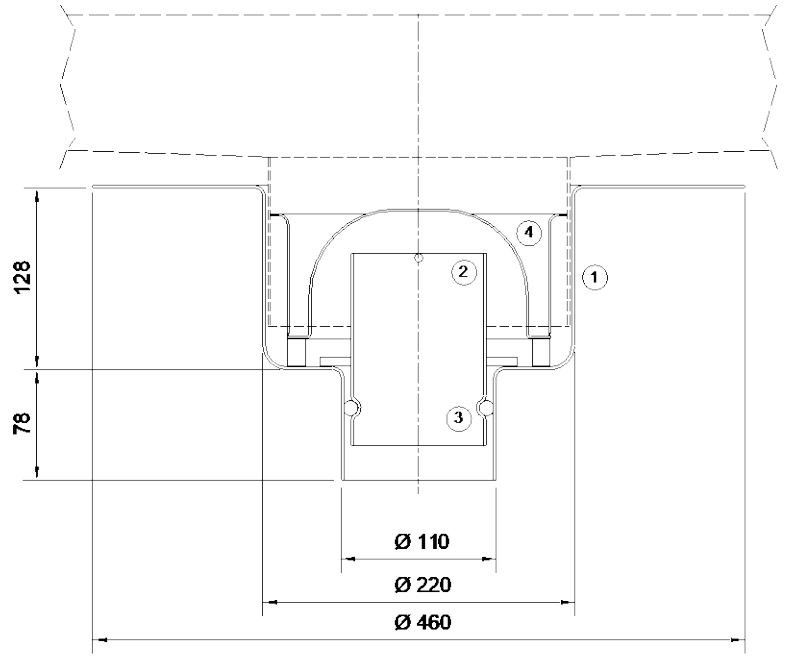
no scale, dimensions in mm

Pos.	Number	Description	Total sys.
1	ATR.100902	Drainbody Ø 110 HC, 1.4301	ATR.112.360.000
2	ATR.100024	Syphon pipe DN 100 / H, 1.4301	
3	ATR.100036	O-ring seal DN100	
4	ATR.100228	Basket H with syphon top DN100	

Industry – drain DN 100 two-part design, vertical, incl. Flange, for box channels type 160 and floor pans type 170

Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, incl. flange, removable syphon pipe stainless steel with O-ring seal (water column 60mm), 4 concrete anchors all around, flow volume: 80 l/min, adjustable for two-part designed box channels type 160 and floor pans type 170.



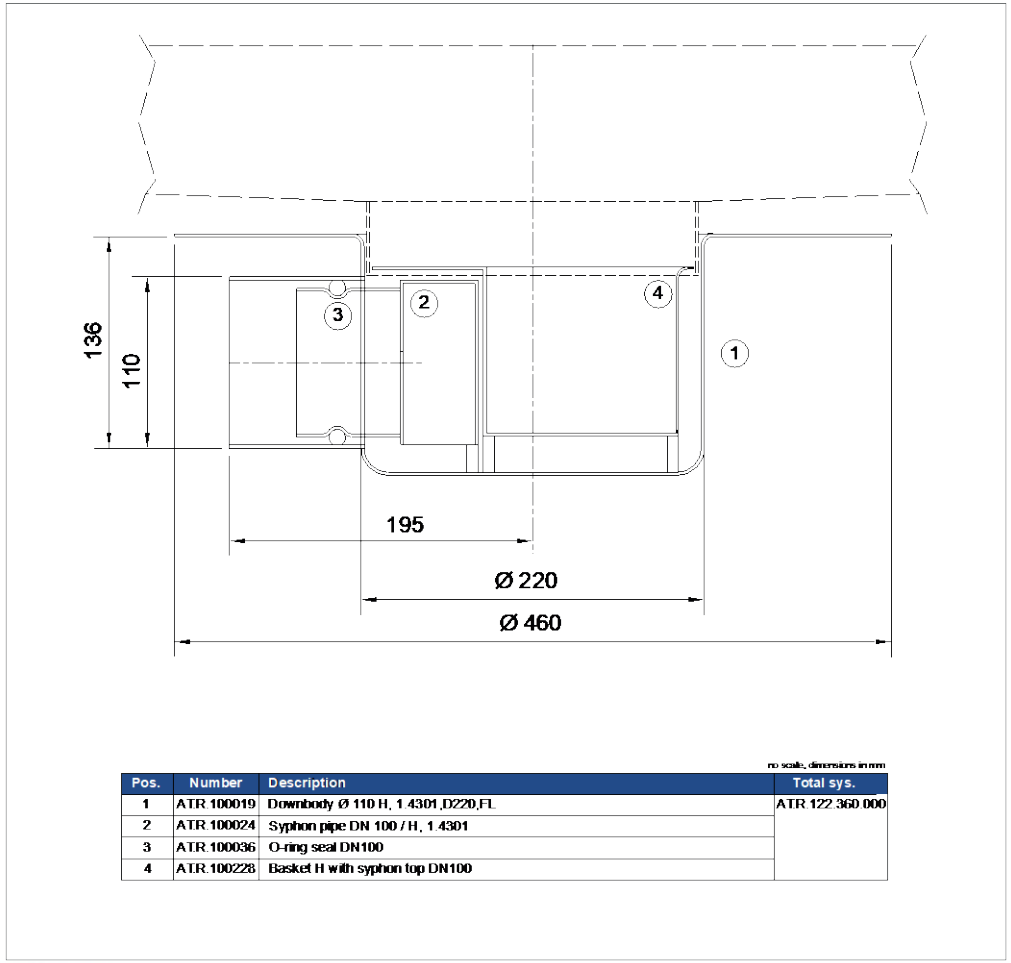
no scale, dimensions in mm

Pos.	Number	Description	Total sys.
1	ATR.100003	Downbody Ø 110 V, 1.4301,D220,FL	ATR.121.360.000
2	ATR.100023	Syphon pipe DN 100 / V, 1.4301	
3	ATR.100036	O-ring seal DN100	
4	ATR.100188	Basket V with syphon top DN100	

Industry – drain DN 100 two-part design, horizontal, incl. Flange, for box channels type 160 and floor pans type 170

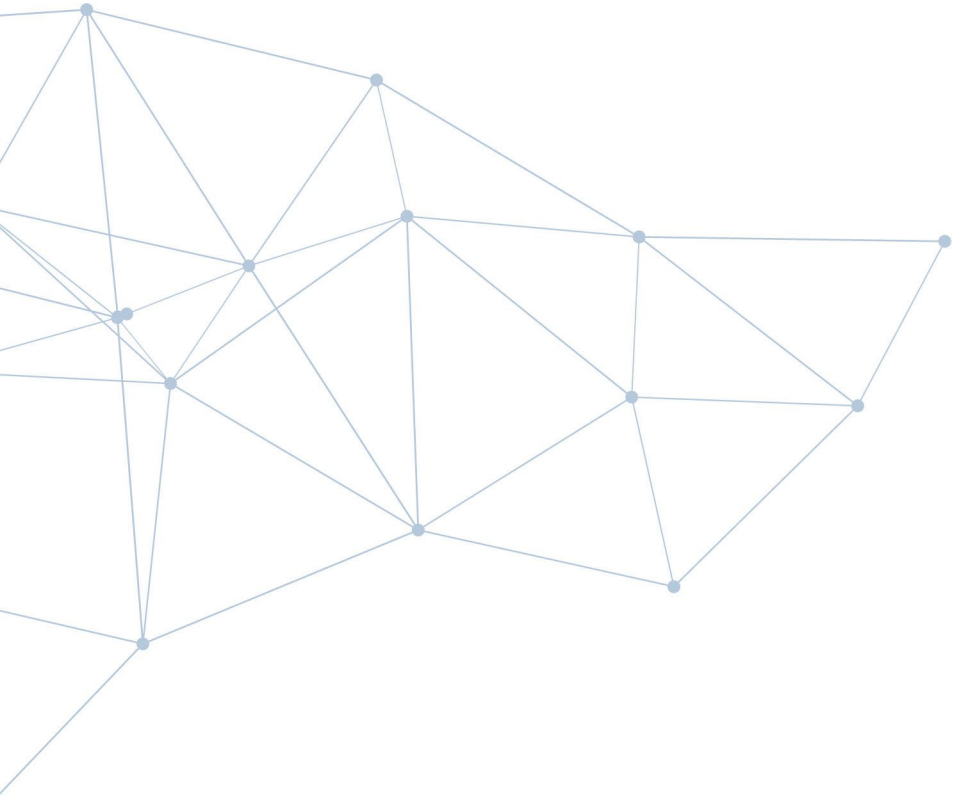
Description

High-grade stainless steel 1.4301, inlet Ø 260mm, outlet Ø 110mm, round, basket and syphon made from stainless steel 1.4301, incl. flange, removable syphon pipe stainless steel with O-ring seal (water column 60mm), 4 concrete anchors all around, flow volume: 80 l/min, adjustable for two-part designed box channels type 160 and floor pans type 170.



no scale, dimensions in mm

Pos.	Number	Description	Total sys.
1	ATR.100019	Downbody Ø 110 H, 1.4301,D220,FL	ATR.122.360.000
2	ATR.100024	Syphon pipe DN 100 / H, 1.4301	
3	ATR.100036	O-ring seal DN100	
4	ATR.100228	Basket H with syphon top DN100	



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