ACO

ACO Product Catalogue

ACO Industrial Drainage

ACO

ACO. The future of drainage.

The ACO system chain provides drainage solutions which meet the future needs of industries where hygiene is essential

In a food service environment, hot water, grease and organic waste must be counteracted by more complex and sophisticated drainage concepts. ACO achieves this with intelligent system solutions which optimise food safety, health and safety of employees and the protection of water. Every ACO product within the ACO system chain safely controls water as it passes along the chain to ensure it can be hygienically, economically and ecologically handled in a viable way.

collect:
Collect and remove

clean:
Pre-clean and process

hold:
Protect and attenuate

release:
Pump, discharge and reuse

ACO system chain in action

Introduction

ACO slot channel portfolio

The ACO slot channel range covers channels for all common applications and all common floor types (concrete, tiles, resin or vinyl). Selecting a channel from the range is easy. The unique variability of the whole portfolio allows choosing the right channel according to all customers' needs.

Channel´s length, depth and outlet position are just a few of the parameters which can be varied and, regardless of the variations specified, there is no impact on delivery lead times.

ACO slot channel ordering

The dimensions of the ACO slot channel can be easily specified in respect of project requirements. To specify the channel please use the Customization template (see page 109) which will help you to identify the information needed or contact our Sales/Technical department.

ACO slot channel customization

In addition all ACO slot channel can be designed with:
- Special outlet position
- Special depth
- Special slope
- Special slot channel width
- L-shape and T-shape layout
- Special side inlets

To request customised ACO slot channel, please contact our Sales/technical department.

ACO slot channel system overview

ACO slot channel - fixed height solution

### ACO slot channel - telescopic solution

ACO slot channel - semi-standard

Product information

The dimensions of the ACO slot channel for concrete, tiles and resin floor can be easily specified in respect of project requirements.

- Tested and certified according to EN 1253
- Available in 1.4301 (304) or 1.4404 (316L) grades of stainless steel, pickled and passivated
- 1.5 mm material thickness
- ACO slot channel 8 or 20 mm
- Length – up to customer request

- Longitudinal slopes of the channel bottom 1-5 %
- Standardized widths
- Outlet position central or variable in longitudinal axis
- Adjustable EasyFix levelling feet
- Anchors for fixing in concrete
- Protective cover available. See page 230 for more details

Order information
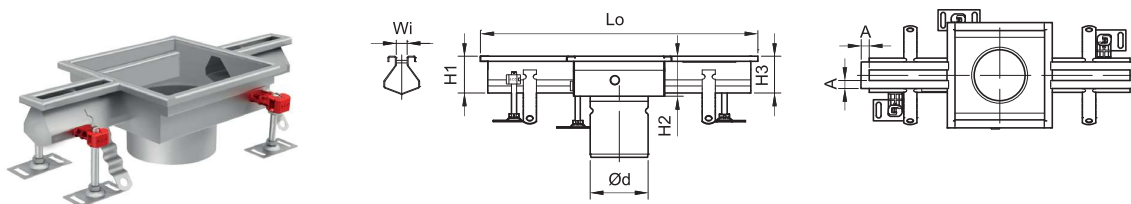
External (overall) width	Dimension of edge	Length of channel	Height at outlet of channel	Height at end of channel
Wi [mm]	A [mm]	Lo	H2	H1 and H3
20	15	* Variable	50-200	50-200
8	folded		50-200	50-200

* The maximum transportable length of channel is 6 000 mm. Long channels over 6 000 mm are standardly divided in 6 m sections with transport joins.

ACO customized slot channel

Product information

The dimensions of the ACO customized slot channel for concrete, tiles and resin floor can be easily specified in respect of project requirements.

- Tested and certified according to EN 1253
- Available in 1.4301 (304) or 1.4404 (316L) grades of stainless steel, pickled and passivated
- 1.5 mm material thickness
- Slot of channel 8 or 20
- Length – up to customer request
- Longitudinal slopes of the channel bottom 1-5 %

- Outlet position central or variable in longitudinal axis
- Adjustable EasyFix levelling feet
- Anchors for fixing in concrete
- Protective covers available for gully tops. See page 230 for more details

Instructions

Please define channel dimensions by filling out required entry fields.

Step 1 - Material

☐   Stainless steel grade 1.4301 (AISI 304)

☐   Stainless steel grade 1.4404 (AISI 316L)

Step 2 - Edge profiles
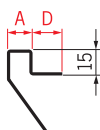

Detail of the Edge profile

☐ **Standard**
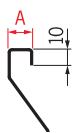
A	15	25
Rubber edge infill	☐	☐
Steel edge infill	☐	☐
No edge infill	☐	☐

☐ **Folded**

☐ **Extended**

A	15	25
Rubber edge infill	☐	☐
Steel edge infill	☐	☐
No edge infill	☐	☐

D	50	Custom
	☐	☐

☐ **Folded with flange**
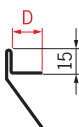
D	50	Custom
	☐	☐

☐ **L profile**
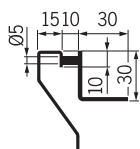
ACO channel

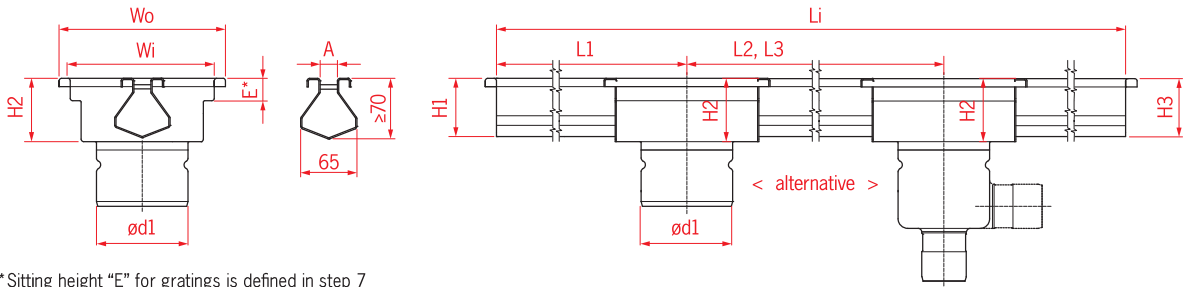## Step 3 - Channel dimensions

*Sitting height "E" for gratings is defined in step 7

Gully top dimension Wo	Channel outlet d1	
200 x 200	75	☐
200 x 200	110	☐
200 x 200	125	☐
250 x 250	142	☐
300 x 300	200	☐
Customized width		☐

Slot dimension A	
8	☐
20	☐

Channel bottom height		
	H2	☐
Slope		
No		☐
Yes - slope 1%		☐
Yes - height defined (If you require values below 70 mm, please contact technical support)	H1	☐
	H3	☐

Channel lenghts	
Li	☐
L1	☐
L2	☐
L3	☐

Step 4 - Gully

☐ **Welded gully**
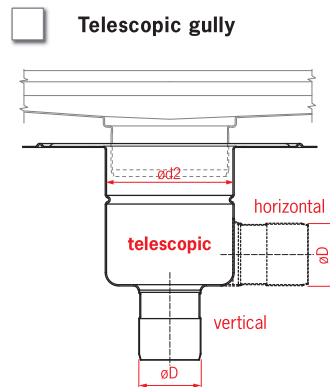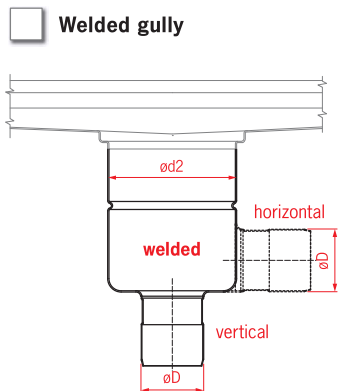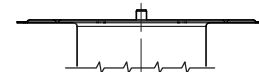

☐ **Telescopic gully**

☐ **Location flange** (For telescopic gully only)
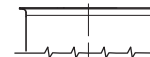
☐ **Bonding flange** (For telescopic gully only)

☐ **Clamping flange** (For telescopic gully only)

Vertical outlet		
Gully body diameter ød2	Outlet pipe diameter øD	
142 (1.4 l/s)	75	☐
142 (1.6 l/s)	110	☐
157 (2.7 l/s)	75	☐
157 (3.5 l/s)	110	☐
218 (5.0 l/s)	110	☐
218 (5.0 l/s)	160	☐

Horizontal outlet		
Gully body diameter ød2	Outlet pipe diameter øD	
142 (1.4 l/s)	75	☐
142 (1.6 l/s)	110	☐
157 (2.6 l/s)	75	☐
157 (2.8 l/s)	110	☐
218 (4.4 l/s)	110	☐

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Without gully (outlet pipe only)
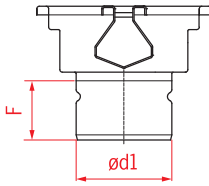
Channel outlet		
Outlet diameter		
Wo	ød1	
200 x 200	75	
200 x 200	110	
200 x 200	125	
250 x 250	142	
300 x 300	200	

Outlet lenght	
F	
36	
58	
150	
Custom	

Step 5 - Accessories

Foul air trap (FAT)	
With FAT	
Without FAT	
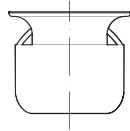
Silt basket	
With Silt basket	
Without Silt basket	
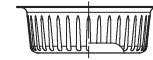
Raising piece	
Location flange (a)	
Bonding flange (b)	
Clamping flange (c)	

a   b   c
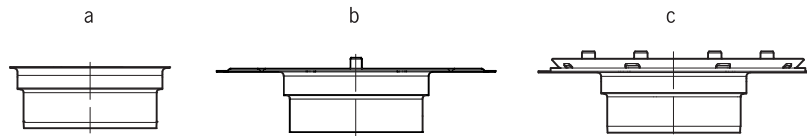
Step 6 - Delivery requirements
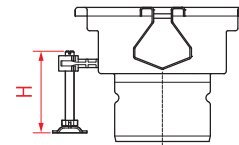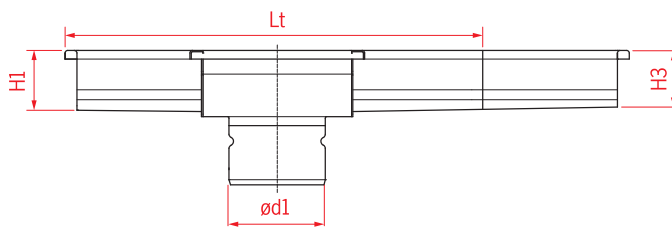
Transport connection Lt	
6000 (standard)	
3000	
2000	

ACO EasyFix levelling feet H	
80 (standard)	
110	
170	
200	

ACO channel

Step 7 - Gratings

ACO hygienic ladder grating	
Slip resistant	
Load class	
R 50 (valid up to Wo = 300)	
M 125 (valid up to Wo = 300)	
C 250 (valid up to Wo = 300)	

ACO hygienic cast grating	
Slip resistant	
Load class	
M 125 (valid up to Wo = 300)	
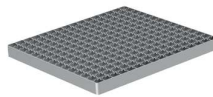
ACO mesh grating	
Slip resistant	
Plain	
Load class	
L 15 (valid up to Wo = 300)	
R 50 (valid up to Wo = 300)	

ACO slot cover	
Load class	
M 125 (valid up to Wo = 300)	
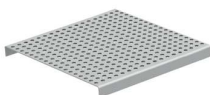
ACO perforated grating	
Load class	
L 15 (valid up to Wo = 300)	
R 50 (valid up to Wo = 300)	

ACO multi-slot 5 grating	
Load class	
L 15 (valid up to Wo = 300)	
R 50 (valid up to Wo = 300)	
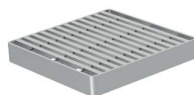
ACO heelsafe grating	
Load class	
L 15 (valid up to Wo = 300)	

☐ **Without grating**

Height of gratings E	
20	
25	
30	
40	

Step 8 - Protective covers

☐ With protective covers (Only available for outlet units)
For more information about protective covers, see page 230.)

ACO

Your specification/shape of the channel, outlet position

ACO modular slot channel 20 - standard articles

Product information

Ideal for wash-down applications or as a water break between designed wet and dry areas.

Modular concept allows specification of standard channel units to surround machinery and fit within existing tiling patterns.

Vee-bottomed (V) profiled channel for enhanced flow efficiency at low flow rates and for improved self cleaning performance.

- Fully compliant to EN 1253
- Fully tested and classified to EN 1433
- Available in 1.4301 (304) or 1.4404 (316L) grades of stainless steel, Fully pickled and passivated
- Wide range of gratings for load class up to C 250 (EN 1433)
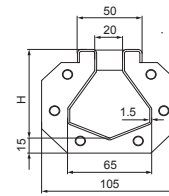
Level invert channel
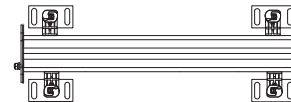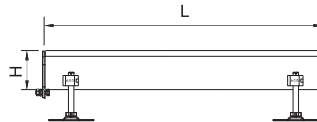
Dimensions		Item number	
L [mm]	H [mm]	1.4301	1.4404
500	70	**92300**	**92350**
	90	**92301**	**92351**
	120	**92302**	**92352**
1000	70	**92305**	**92355**
	90	**92306**	**92356**
	120	**92307**	**92357**
2000	70	**92310**	**92360**
	90	**92311**	**92361**
	120	**92312**	**92362**
3000	70	**92316**	**92366**
	90	**92317**	**92367**
	120	**92318**	**92368**

Note: Items are equipped with seal and connecting material on one side.

ACO channel

ACO modular channel
ACO modular slot channel 20 - standard articles

Sloping invert channel
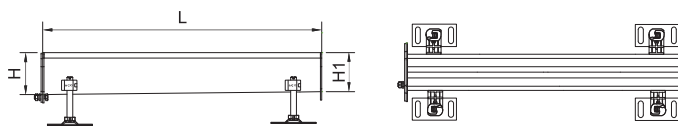
Dimensions			Item number	
L [mm]	H1 [mm]	H2 [mm]	1.4301	1.4404
500	70	75	92303	92353
	75	80	92304	92354
1000	70	75	92308	92358
	75	80	92309	92359
2000	70	80	92313	92363
	80	90	92314	92364
	90	100	92315	92365
3000	70	80	92319	92369
	80	90	92320	92370
	90	100	92321	92371
	100	110	92322	92372
	110	120	92323	92373
6000	70	90	409014	409015
	90	110	409016	409017

Note: Items are equipped with seal and connecting material on deeper side only. See page 114 for more details.

Corner unit
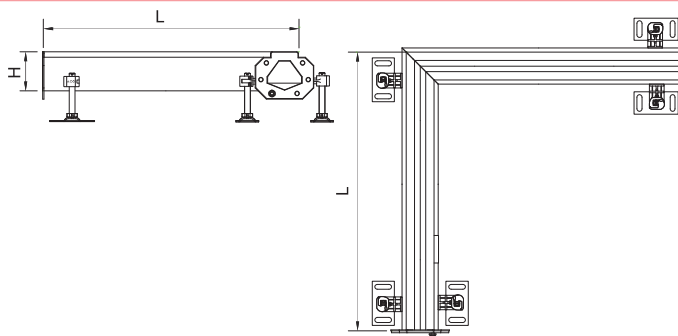
Dimensions		Item number	
L [mm]	H [mm]	1.4301	1.4404
500	70	92338	92388
	75	92339	92389
	80	92340	92390
	90	92341	92391
	100	92342	92392
	110	92343	92393
	120	92344	92394

Note: Items are equipped with seal and connecting material on one side.

Branch unit
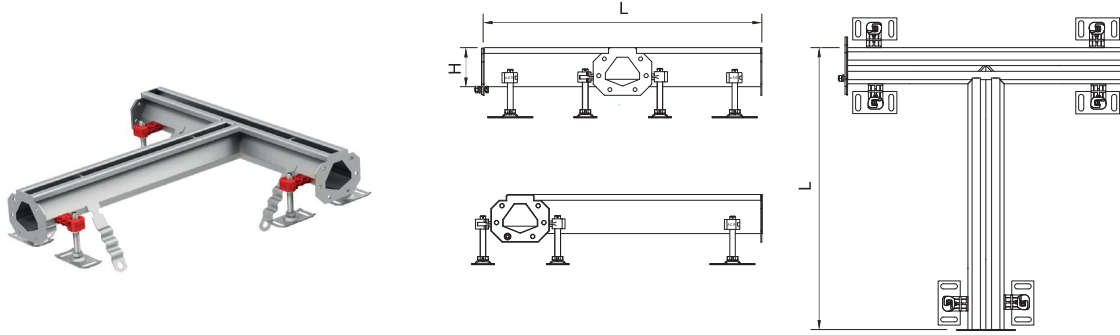
Dimensions		Item number	
L [mm]	H [mm]	1.4301	1.4404
	70	92345	92395
	75	92346	92396
	80	92347	92397
500	90	92348	92398
	100	92349	92399
	110	92400	92450
	120	92401	92451

Note: Items are equipped with seal and connecting material on one side.

End outlet

Dimensions		Gully	Gully top	Outlet diameter	Item number	
L [mm]	H [mm]		[mm]	øD [mm]	1.4301	1.4404
	70				414341	414348
	75				414342	414349
	80				414343	414350
	90	ACO gully EG150	200 x 200	110	414344	414351
	100				414345	414352
	110				414346	414353
	120				414347	414354
	70				415925	415970
	75				415926	415971
	80				415927	415972
500	90	ACO hygienic gully 142	200 x 200	125	415928	415973
	100				415929	415974
	110				415930	415975
	120				415931	415976
	70				414201	414208
	75				414202	414209
	80				414203	414210
	90	ACO hygienic gully 157	250 x 250	142	414204	414211
	100				414205	414212
	110				414206	414213
	120				414207	414214

Note: Items are equipped with seal and connecting material on one side.

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ACO channel

Centre outlet

Dimensions		Gully	Gully top	Outlet diameter	Item number	
L [mm]	H [mm]		[mm]	øD [mm]	1.4301	1.4404
500	70	ACO gully EG150	200 x 200	110	414355	414362
	75				414356	414363
	80				414357	414364
	90				414358	414365
	100				414359	414366
	110				414360	414367
	120				414361	414368
1000	70				414369	414376
	75				414370	414377
	80				414371	414378
	90				414372	414379
	100				414373	414380
	110				414374	414381
	120				414375	414382
500	70	ACO hygienic gully 142	200 x 200	125	415932	415977
	75				415933	415978
	80				415934	415979
	90				415935	415980
	100				415936	415981
	110				415937	415982
	120				415938	415983
1000	70				415939	415984
	75				415940	415985
	80				415941	415986
	90				415942	415987
	100				415943	415988
	110				415944	415989
	120				415945	415990
500	70	ACO hygienic gully 157	250 x 250	142	414215	414222
	75				414216	414223
	80				414217	414224
	90				414218	414225
	100				414219	414226
	110				414220	414227
	120				414221	414228
1000	70				414229	414236
	75				414230	414237
	80				414231	414238
	90				414232	414239
	100				414233	414240
	110				414234	414241
	120				414235	414242

Note: Items are equipped with seal and connecting material on one side.

ACO channel

ACO
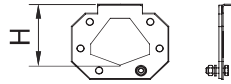
End plate

Dimensions	Item number	
H [mm]	1.4301	1.4404
70	92324	92374
75	92325	92375
80	92326	92376
90	92327	92377
100	92328	92378
110	92329	92379
120	92330	92380

Note: Items are equipped with seal and connecting material.

End plate with 50 mm outlet
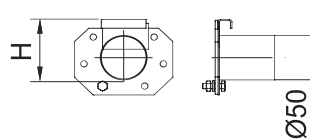
Dimensions	Item number	
H [mm]	1.4301	1.4404
70	92331	92381
75	92332	92382
80	92333	92383
90	92334	92384
100	92335	92385
110	92336	92386
120	92337	92387

Note: Items are equipped with seal and connecting material.
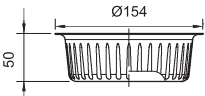
Seal rubber
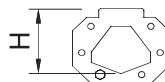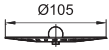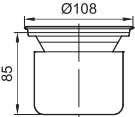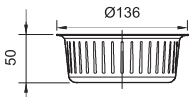
Dimensions	Item number
H [mm]	NBR
70	413601
75	413602
80	413603
90	413604
100	413605
110	413606
120	413607

Note: Items include seal and connecting material.

ACO channel

ACO channel

Accessories for ACO modular slot channel 20

	Description	Used with	Material	Item number
Ø105	Sieve ■ Stainless steel	■ ACO modular slot channel 20 with outlet 110 mm	1.4301	**97235**
			1.4404	**97285**
Ø108 85	Foul air trap ■ Stainless steel ■ Water seal 50 mm	■ ACO modular slot channel 20 with outlet 110 mm	1.4301	**97217**
			1.4404	**97267**
Ø136 50	Silt basket ■ Stainless steel ■ 0.5 litre capacity	■ ACO modular slot channel 20 with outlet 125 mm	1.4301	**414339**
			1.4404	**414340**
Ø154 50	Silt basket ■ Stainless steel ■ 0.6 litre capacity	■ ACO modular slot channel 20 with outlet 142 mm	1.4301	**408202**
			1.4404	**408212**