

BLÜCHER® Drainage Systems

Product catalogue for drains, pipes and channels



BLÜCHER®

K E E P I N G U P T H E F L O W

STAINLESS STEEL DRAINAGE SYSTEMS



Safe solutions

BLÜCHER® stainless steel drainage products are installed in almost any kind of construction project, from multi-storey apartments and food processing factories to hospitals and on board prestigious cruise liners. We have specialised our competencies within four main segments:

Housing

Commercial

Industrial

Marine

The BLÜCHER® drainage system is a modular system providing numerous possible product combinations.

BLÜCHER® Drain

Floor drains for light- to heavy-duty flow and load applications.

BLÜCHER® Channel

Standard, modular or customised channels and kitchen channels for all flow and load applications.

BLÜCHER® EuroPipe

Push-fit drainage pipe-work system for soil, waste and rainwater.

Customised solutions

To ensure that any drainage requirement can be fulfilled we are always ready to solve your special request.

Strong products

All BLÜCHER® drainage products are produced in stainless steel grade AISI 304 or optionally grade AISI 316L. This material is ideally suitable for high-quality drainage systems:

- Fire resistant
- High strength - low weight
- Environmentally friendly

Furthermore it is corrosion resistant, resistant to impacts and thermal stress and requires little maintenance.

In the BLÜCHER® drainage products the inherent qualities of stainless steel are enhanced by careful product design resulting in:

- Long product life expectancy
- Excellent hygienic properties
- Easy installation
- Whole-life cost advantages
- Excellent flow capacities

All BLÜCHER® products are chemically descaled and passivated in order to enhance the natural corrosion resistance and provide a uniform matt-silver surface finish.

All stainless steel components are manufactured from recycled materials and are 100% recyclable.

Danish quality

Founded in Denmark in 1965, BLÜCHER has developed into a leading manufacturer of stainless steel drainage systems. Today, BLÜCHER is an international company with subsidiaries and representations worldwide. The BLÜCHER Group employs more than 350 staff worldwide.

Customers all over the World appreciate our know-how, dedicated service and common sense.

Through quality stainless steel products and drainage solutions that lead waste water away, BLÜCHER is committed to the promise of keeping up the flow.

The BLÜCHER® drainage products are manufactured in Denmark using the most modern production methods and in accordance with the internationally recognised quality standard ISO 9001. Furthermore, the most respected classification societies endorse the BLÜCHER® drainage products worldwide.



Selected references around the World

Hospitals, schools, commercial kitchens, the food and beverage industry and the pharmaceutical industry are among the customers that benefit from BLÜCHER stainless steel drainage systems.

Housing

BLÜCHER® stainless steel floor drains and pipe system are used all over the World in Scandinavian-style wet bathrooms in single and multi-storey buildings.

Commercial

Queen Mary Hospital, Hvidovre hospital, Princess Alexandra Hospital, Blackpool Victoria Hospital, Queen Elizabeth Hospital, St. James Hospital, University College London Hospital, Sportcentrum Fitness First, Czàsar Swimming Pool, Sports & Aquatic Centre, International Grammar School, Collège Bellevue, Elite University, Universitat Pompeu Fabra, Augustenborgskolan, Canadian International School, North Texas State University, Elderly Citizens Home Adelaide, Old Peoples Home Budapest, Maryland State Prison, Uppsala Polishus, Oslo Opera, Hilton Hotels, Hotel Marriot, Sofitel, Novotel, The Ritz Carlton Bahrain, McDonalds, Burger King, Pizza Hut, Le Louvre, Bahrain National Museum, Ministère de L'Industrie, State Library of Victoria, Royal Danish Theatre, Copenhagen Zoo, Hong Kong Disneyland, Dubai Mall, IKEA, Tesco, Coop, Metro, Carrefour, Lidl, Woolworths, Gardamoen Oslo, Copenhagen Airport, Heathrow Airport, Barcelona Airport, New Athens Airport, Orly Airport, Arlanda Airport, Helsinki Airport.

Industrial

Pfizer, GSK, Astra Zeneca, Johnson & Johnson, Aventis, Kraft, Nestlé, Danish Crown, Daloon, Tulip, Knorr, Singapore Airport Catering, Ahlgreens, Estrella, Kelloggs, CocaCola, Pepsi, Heineken, Carlsberg, Whitbread Breweries, Budweiser, Tropicana Juice Processing, Absolut Vodka, Nestlé, Arla Food, Danone, Unilever, Almarai Dairy, Mercedes, Renault, L'Oreal, Sony, BASF, 3M, IBM World Headquarters, Honeywell, Colgate Palmolive, Royal Copenhagen, Hella.

Marine

Freedom of the Seas, Liberty of the Seas, Norwegian Star, Color Magic, Pride of Hawaii, Galaxy, AIDA Diva, Celebrity Solstice, MY Platinum (Dubai Ports Authority), M/S Caravelle (Jade Yachts), Safari (Blohm & Voss) Lady Haya (Pesaro), Pelorus (Lürssen Kröger Werft), Oceanco Kusch Yachts Agentur.

3 vehicle carriers and 10 container ships (MHI Japan), 6 container vessels (AP Møller), 35 commercial vessels (Mawai China), 24 container vessels (Dalian Shipyards China).

Agbami Off Shore, Consafe-Aberdeen Oil Platform Bingo I & Bingo II Offshore Oil Rigs, Auxillary vessel (British Navy), 5 frigates (Norwegian Navy), 2 logistics vessels (Danish Navy), 2 survey vessels Dutch Navy.





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Drains for housing and commercial applications



Shower drains For tiled and vinyl floors Square or circular

Applications

For tiled and vinyl floors in:

- Private housing bathrooms
- Toilets and showers in hotels, hospitals, fitness centres, etc.

Details

- Square or circular frame
- Brushed grain finish
- Low frame height
- Grate with starlock screw-system
- Stainless steel AISI304/EN 1.4301 or AISI316L/EN 1.4404

Variants

- Side inlets Ø32/40 mm
- Vertical or horizontal outlet
- Flange for liquid or sheet membrane
- Adjustable height, rotation and tilt

Options

- Removable water trap
- Design gratings in 3 shapes and 6 designs

Series

- Series 100 without flange for concrete and tiled floors
- Series 200 for vinyl floors
- Series 300 with liquid or sheet membrane flange for concrete and tiled floors

Product database at www.blucher.com

Complete drains

Concrete and tiles without membrane



- Standard grating VIENNA included
- Optional design gratings available
- Optional filter basket
- Optional removable water trap
- Adjustable upper part
- Lower part with or without side inlets

Concrete and tiles with liquid membrane



- Standard grating VIENNA included
- Optional design gratings available
- Optional filter basket
- Optional removable water trap
- Adjustable upper part
- Flange
- Lower part with or without side inlets

Concrete and tiles with sheet membrane



- Standard grating VIENNA included
- Optional design gratings available
- Optional filter basket
- Optional removable water trap
- Adjustable upper part
- Adjustable clamping flange
- Lower part with or without side inlets

Vinyl



- Standard grating VIENNA included
- Optional design gratings available
- Clamping ring
- Optional inlet deflector
- Optional filter basket
- Optional water trap
- Adjustable upper part
- Lower part with or without side inlets

Complete drains

Drain

Adjustable 2-part drains or non-adjustable 1-part drains

Grating

Standard VIENNA grating is included. Optional design gratings are not included - to be ordered separately

Water trap

Removable water trap not included - to be ordered separately.

Other accessories

Other accessories such as filter basket not included - to be ordered separately. Most drains with side inlets come with inlet deflector.

Installation examples

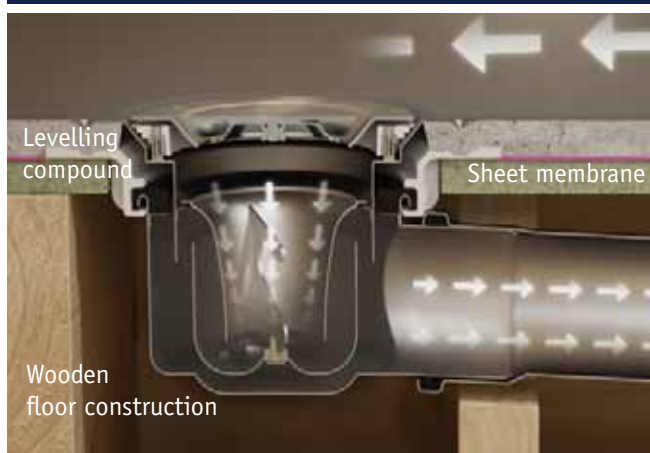
Concrete and tiles without membrane



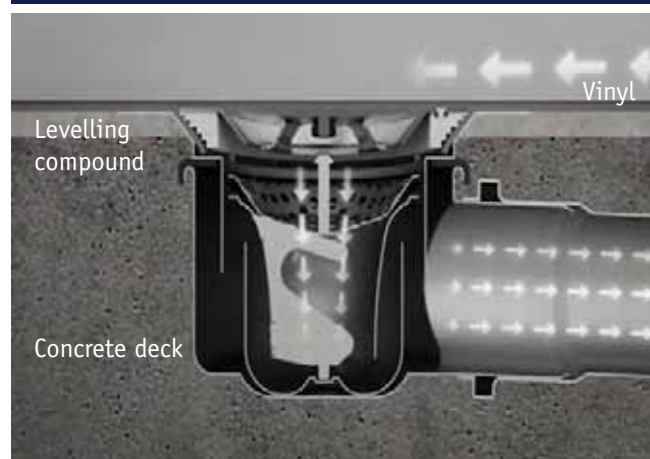
Concrete and tiles with liquid membrane



Concrete and tiles with sheet membrane



Vinyl



Two-part removable water trap



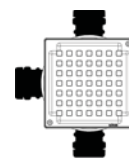
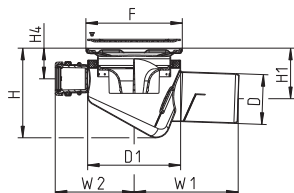
Due to its design the water trap has unique self-cleansing properties, and the slanted handle does not gather hair or dirt. Separable to facilitate cleaning. After cleaning, assemble the two parts by screwing them together tightly.

Installation videos available at www.blucher.com

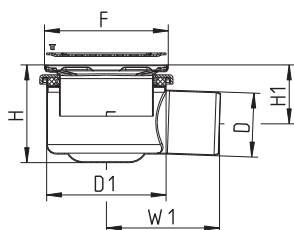
without membrane

ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 102

WITH SIDE INLETS AND INTEGRATED WATER TRAP



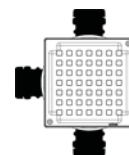
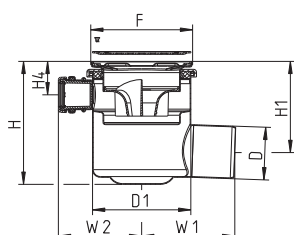
Type no.	EAN no.	D	D1	F	H	H1	H4	W1	W2
102.300.075	5705499118285	75	140	145x145	128-145	69-86	39-56	157	119

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 110


Type no.	EAN no.	D	D1	F	H	H1	W1
110.300.050	5705499124255	50	140	145x145	115-145	81-111	128
110.300.075	5705499104844	75	140	145x145	115-145	69-99	133

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 111

WITH SIDE INLETS

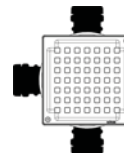
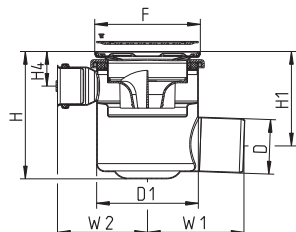


Type no.	EAN no.	D	D1	F	H	H1	H4	W1	W2
111.300.075	5705499105636	75	140	145x145	175-185	130-140	48-58	133	119

without membrane

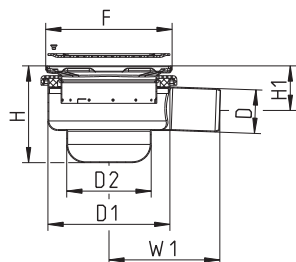
ADJUSTABLE SHOWER DRAIN SQUARE TYPE 111

WITH SIDE INLETS 50 MM



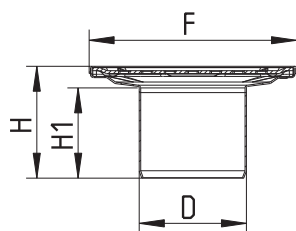
Type no.	EAN no.	D	D1	F	H	H1	H4	W1	W2
111.303.075	5705499123708	75	140	145x145	175-185	130-140	48-58	133	124

ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 114



Type no.	EAN no.	D	D1	F	H	H1	W1	D2
114.300.050	5705499118056	50	140	145x145	111-121	51-61	127	97

SHOWER DRAIN SQUARE, LOW MODEL TYPE 140

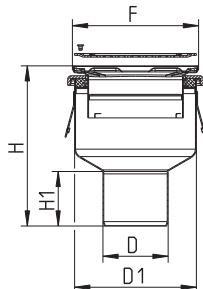


Type no.	EAN no.	D	F	H	H1
140.300.032	5705499107425	32	145x145	39	23
140.300.040	5705499107449	40	145x145	65	49
140.300.050	5705499106510	50	145x145	74	58
140.300.075	5705499104868	75	145x145	78	63

Not for removable water trap. D=32mm with 1¼" BSP thread

without membrane

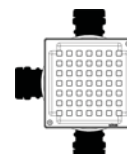
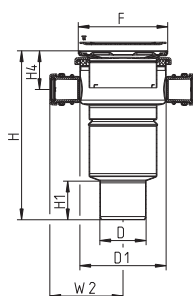
ADJUSTABLE SHOWER DRAIN SQUARE TYPE 150



Type no.	EAN no.	D	D1	F	H	H1
150.300.050	5705499124279	50	140	145x145	189-219	58
150.300.075	5705499104882	75	140	145x145	185-215	63
150.300.110	5705499104905	110	140	145x145	152-182	79

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 151

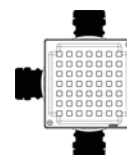
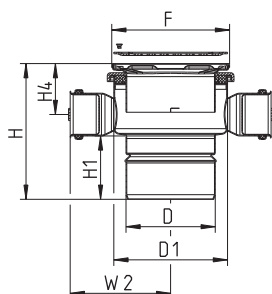
WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	H	H1	H4	W2
151.300.075	5705499104929	75	140	145x145	274-304	63	63-93	119
151.300.110	5705499104943	110	140	145x145	167-197	79	63-93	119

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 151

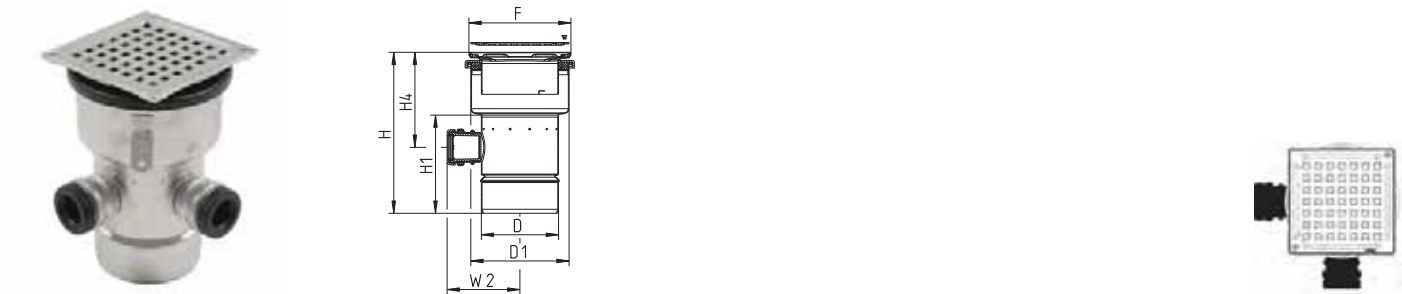
WITH SIDE INLETS 50 MM



Type no.	EAN no.	D	D1	F	H	H1	H4	W2
151.303.110	5705499123715	110	140	145x145	167-197	79	63-93	124

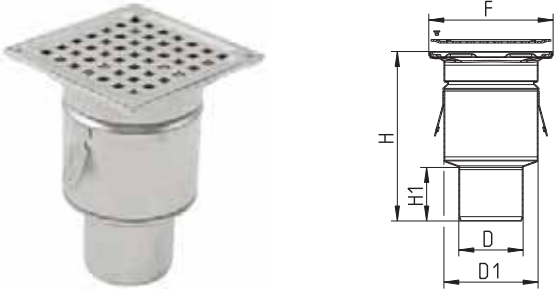
without membrane

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 155
WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	H	H1	H4	W2
155.300.110	5705499123838	110	140	145x145	230-260	140	136-166	104

SHOWER DRAIN SQUARE TYPE 160



Type no.	EAN no.	D	D1	F	H	H1
160.300.050	5705499123586	50	110	145x145	193	60
160.300.075	5705499104967	75	110	145x145	198	63
160.300.110	5705499104981	110	110	145x145	91	79

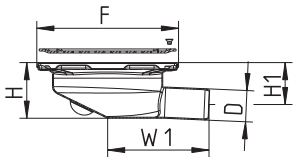
SHOWER DRAIN SQUARE TYPE 161
WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	H	H1	H4	W2
161.300.075	5705499105001	75	110	145x145	260	63	59	104
161.300.110	5705499105025	110	110	145x145	153	141	59	104

without membrane

MINI DRAIN SQUARE TYPE 181



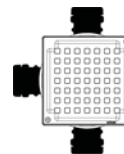
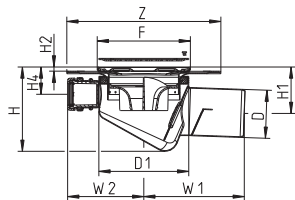
Type no.	EAN no.	D	F	H	H1	W1
181.300.032	5705499107364	32	145x145	57	43	104

Not for removable water trap. Adaptor for D=40mm included

with liquid membrane

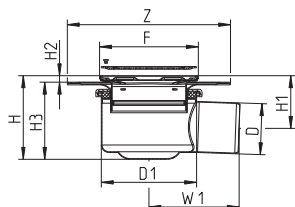
ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 302

WITH SIDE INLETS AND INTEGRATED WATER TRAP



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H4	W1	W2
302.300.075	5705499118308	75	140	145x145	Ø240	132-162	72-102	6.5-21	43-73	156	119

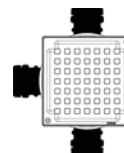
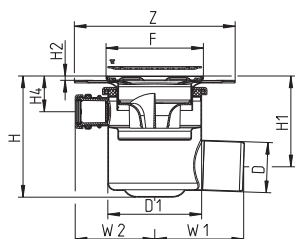
ADJUSTABLE SHOWER DRAIN SQUARE TYPE 310



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1
310.300.050	5705499124347	50	140	145x145	Ø240	120-150	87-117	6.5-21	113-128	128
310.300.075	5705499105261	75	140	145x145	Ø240	120-150	75-105	6.5-21	113-128	133

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 311

WITH SIDE INLETS

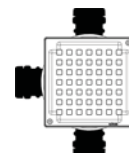
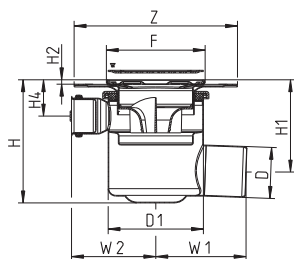


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H4	W1	W2
311.300.075	5705499105285	75	140	145x145	Ø240	181-211	136-166	6.5-21	53-83	133	119

with liquid membrane

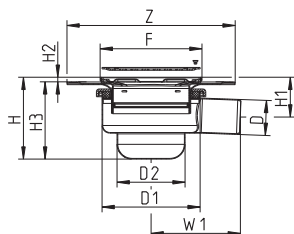
ADJUSTABLE SHOWER DRAIN SQUARE TYPE 311

WITH SIDE INLETS 50 MM



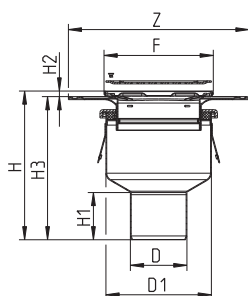
Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H4	W1	W2
311.303.075	5705499123739	75	140	145x145	Ø240	181-211	136-166	6.5-21	53-83	133	124

ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 314



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	D2
314.300.040	5705499113969	40	140	145x145	Ø240	117-147	52-82	6.5-21	110-125	125	97
314.300.050	5705499118094	50	140	145x145	Ø240	117-147	57-87	6.5-21	110-125	127	97

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 350

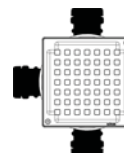
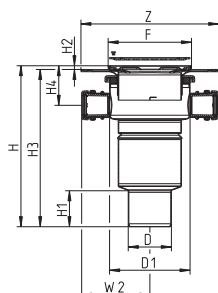


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3
350.300.050	5705499124361	50	140	145x145	Ø240	194-224	58	6.5-21	188-203
350.300.075	5705499105346	75	140	145x145	Ø240	190-220	63	6.5-21	184-199
350.300.110	5705499105360	110	140	145x145	Ø240	158-188	79	6.5-21	152-167

with liquid membrane

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 351

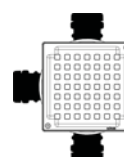
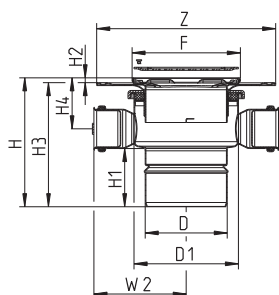
WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
351.300.075	5705499105384	75	140	145x145	Ø240	280-310	63	6.5-21	274-289	69-99	119
351.300.110	5705499105407	110	140	145x145	Ø240	173-203	79	6.5-21	167-182	69-99	119

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 351

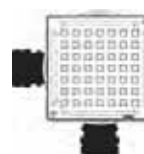
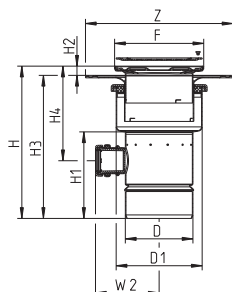
WITH SIDE INLETS 50 MM



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
351.303.110	5705499124408	110	140	145x145	Ø240	173-203	79	6.5-21	167-182	69-99	124

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 355

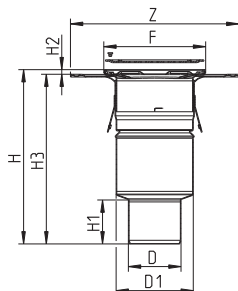
WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
355.300.110	5705499107654	110	140	145x145	Ø240	235-295	140	6.5-21	229-274	141-201	104

with liquid membrane

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 360

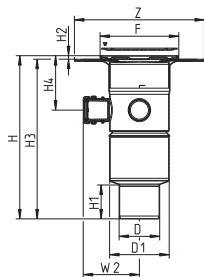


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3
360.300.050	5705499124385	50	110	145x145	Ø240	244-259	60	6.5-21	237
360.300.075	5705499105506	75	110	145x145	Ø240	249-264	63	6.5-21	242
360.300.110	5705499105520	110	110	145x145	Ø240	142-157	-	6.5-21	135

Flange is not adjustable.

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 361

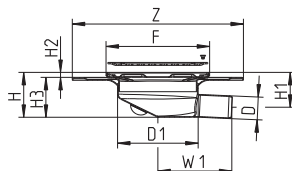
WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
361.300.075	5705499105544	75	110	145x145	Ø240	302-317	63	6.5-21	295	100-115	104
361.300.110	5705499105568	110	110	145x145	Ø240	195-210	-	6.5-21	188	100-115	104

Flange is not adjustable.

MINI DRAIN SQUARE TYPE 381



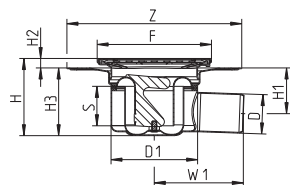
Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1
381.300.032	5705499107401	32	113	145x145	Ø240	62-72	49-59	6-16	56	104

Not for removable water trap. Adaptor for D=40mm included.
Flange is not adjustable.

with liquid membrane

ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 382

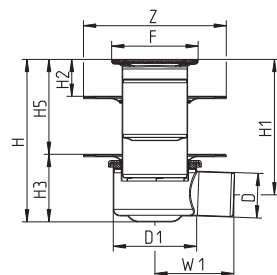
WITH REMOVABLE WATER TRAP



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	S	W1
382.300.050 V	5705499131772	50	110	145x145	Ø222	95-105	58	9-19	86	50	113

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 310.390

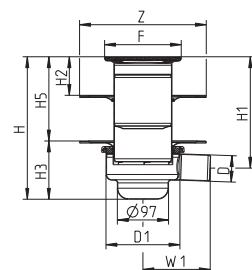
WITH TWO FLANGES



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	W1
310.390.075	5705499127683	75	140	145x145	Ø240	273-301	228-256	6-153	114-128	160-172	133

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 314.390

WITH TWO FLANGES

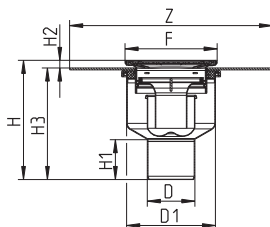


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	W1
314.390.050	5705499127690	50	140	145x145	Ø240	270-298	211-239	6-153	111-125	160-172	127

with liquid membrane

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 350.320

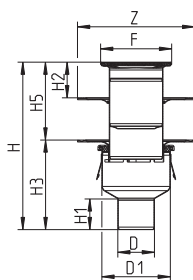
WITH REMOVABLE WATER TRAP



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3
350.320.050 V	5705499127645	50	140	145x145	Ø320	192-224	58	12-26	180-208
350.320.075 V	5705499127652	75	140	145x145	Ø320	188-220	63	12-26	176-194
350.320.110 V	5705499127669	110	140	145x145	Ø320	156-188	44	12-26	144-162

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 350.390

WITH TWO FLANGES

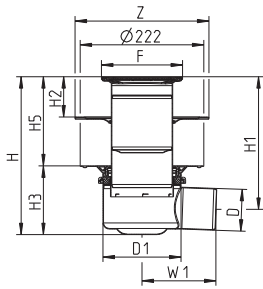


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	H5
350.390.050	5705499127706	50	140	145x145	Ø240	275-363	58	6-153	188-203	73-160	
350.390.075	5705499127713	75	140	145x145	Ø240	272-359	63	6-153	184-199	73-160	
350.390.110	5705499127720	110	140	145x145	Ø240	274-327	79	6-153	152-167	107-160	

with liquid & sheet membranes

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 312.390

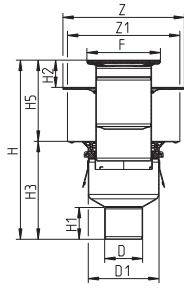
WITH TWO FLANGES



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	W1
312.390.050	5705499134353	50	140	145x145	Ø240	272-298	238-266	6-150	123-138	148-160	128
312.390.075	5705499134346	75	140	145x145	Ø240	272-298	226-254	6-150	123-138	148-160	133

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 352.390

WITH TWO FLANGES

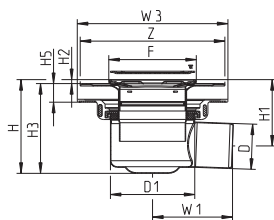


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5
352.390.050	5705499134360	50	140	145x145	Ø240	275-372	59	6-150	197-212	62-160
352.390.075	5705499134377	75	140	145x145	Ø240	273-368	63	6-150	193-208	64-160
352.390.110	5705499134384	110	140	145x145	Ø240	275-336	79	6-150	161-176	98-160

with liquid membrane and Lewis® sheeting

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 310

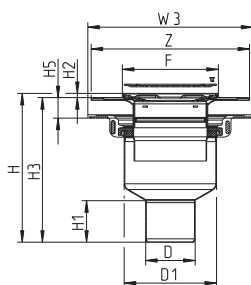
FOR LEWIS® PLATES



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	W1	W3
310.340.075	5705499120257	75	140	145x145	Ø240	156-200	110-155	6-21	149-179	31-61	133	250

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 350

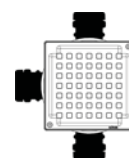
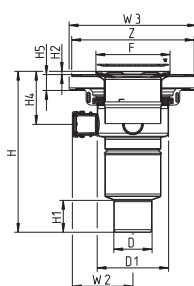
FOR LEWIS® PLATES



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	W3
350.340.075	5705499120264	75	140	145x145	Ø240	226-271	63	6-21	219-249	31-61	250

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 351

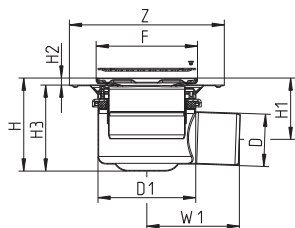
FOR LEWIS® PLATES, WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H4	H5	W2	W3
351.340.075	5705499120271	75	140	145x145	Ø240	316-361	63	6-21	104-149	31-61	119	250

with sheet membrane

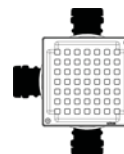
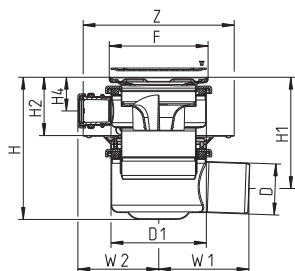
ADJUSTABLE SHOWER DRAIN SQUARE TYPE 312



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1
312.300.075	5705499105308	75	140	145x145	Ø222	133-188	88-143	10-50	123-138	133

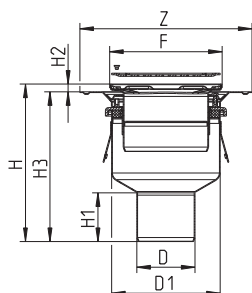
ADJUSTABLE SHOWER DRAIN SQUARE TYPE 313

WITH SIDE INLETS



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H4	W1	W2
313.300.075	5705499105322	75	140	145x145	Ø222	199-264	154-219	76-126	48-58	133	119

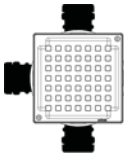
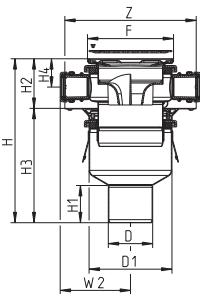
ADJUSTABLE SHOWER DRAIN SQUARE TYPE 352



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3
352.300.075	5705499105421	75	140	145x145	Ø222	203-258	63	10-50	193-208
352.300.110	5705499105445	110	140	145x145	Ø222	171-226	79	10-50	161-176

with sheet membrane

ADJUSTABLE SHOWER DRAIN SQUARE TYPE 353
WITH SIDE INLETS

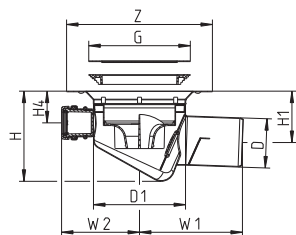


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
353.300.075	5705499105469	75	140	145x145	Ø222	269-334	63	76-126	193-208	48-58	119
353.300.110	5705499105483	110	140	145x145	Ø222	237-302	79	76-126	161-176	48-58	119

All dimensions in mm - Stainless Steel grade AISI 316L specify type no. with suffix S

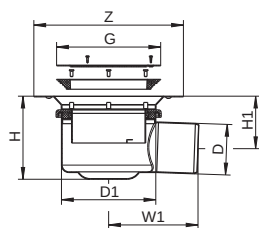
ADJUSTABLE SHOWER DRAIN CIRCLE, LOW MODEL TYPE 202

WITH SIDE INLETS AND INTEGRATED WATER TRAP



Type no.	EAN no.	D	D1	Z	G	H	H1	H4	W1	W2
202.300.075	5705499118292	75	140	Ø222	Ø155	137-152	78-93	48-63	157	119

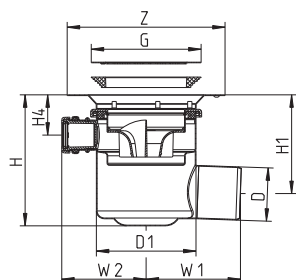
ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 210



Type no.	EAN no.	D	D1	Z	G	H	H1	W1
210.300.050	5705499124316	50	140	Ø222	Ø155	123-153	90-120	128
210.300.075	5705499105049	75	140	Ø222	Ø155	123-153	78-108	133

ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 211

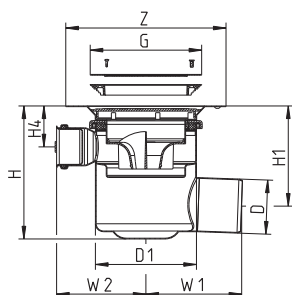
WITH SIDE INLETS



Type no.	EAN no.	D	D1	Z	G	H	H1	H4	W1	W2
211.300.075	5705499105063	75	140	Ø222	Ø155	184-194	139-149	57-67	133	119

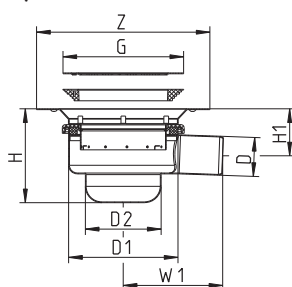
ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 211

WITH SIDE INLETS 50 MM



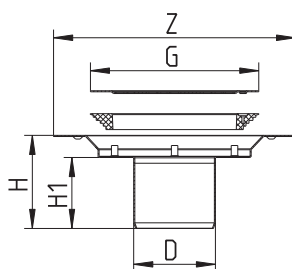
Type no.	EAN no.	D	D1	Z	G	H	H1	H4	W1	W2
211.303.075	5705499123722	75	140	Ø222	Ø155	183-193	139-149	57-67	133	124

ADJUSTABLE SHOWER DRAIN CIRCLE, LOW MODEL TYPE 214



Type no.	EAN no.	D	D1	Z	G	H	H1	W1	D2
214.300.050	5705499118070	50	140	Ø222	Ø155	120-130	60-70	127	97

SHOWER DRAIN CIRCLE, LOW MODEL TYPE 240



Type no.	EAN no.	D	Z	G	H	H1
240.300.050	5705499106534	50	Ø222	Ø155	81	60
240.300.075	5705499105087	75	Ø222	Ø155	86	65

Not for removable water trap

ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 250



Type no.	EAN no.	D	D1	Z	G	H	H1
250.300.050	5705499123562	50	140	Ø222	Ø155	197-227	58
250.300.075	5705499105100	75	140	Ø222	Ø155	193-223	63
250.300.110	5705499105124	110	140	Ø222	Ø155	161-191	79

ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 251

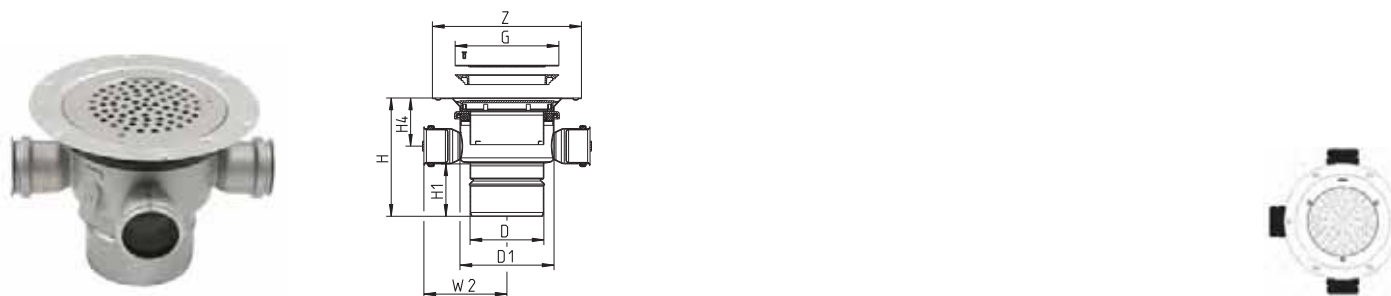
WITH SIDE INLETS



Type no.	EAN no.	D	D1	Z	G	H	H1	H4	W2
251.300.075	5705499105148	75	140	Ø222	Ø155	283-313	63	72-102	119
251.300.110	5705499105162	110	140	Ø222	Ø155	176-206	79	72-102	119

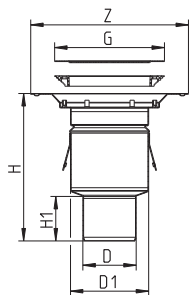
ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 251

WITH SIDE INLETS 50 MM



Type no.	EAN no.	D	D1	Z	G	H	H1	H4	W2
251.303.110	5705499123555	110	140	Ø222	Ø155	176-206	79	72-102	124

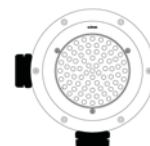
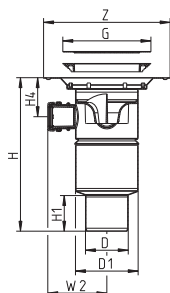
SHOWER DRAIN CIRCLE TYPE 260



Type no.	EAN no.	D	D1	Z	G	H	H1
260.300.050	5705499123548	50	110	Ø222	Ø155	203	60
260.300.075	5705499105186	75	110	Ø222	Ø155	208	63
260.300.110	5705499105209	110	110	Ø222	Ø155	101	80

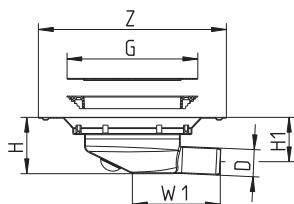
SHOWER DRAIN CIRCLE TYPE 261

WITH SIDE INLETS



Type no.	EAN no.	D	D1	Z	G	H	H1	H4	W2
261.300.075	5705499105223	75	110	Ø222	Ø155	270	63	69	104
261.300.110	5705499105247	110	110	Ø222	Ø155	163	-	69	104

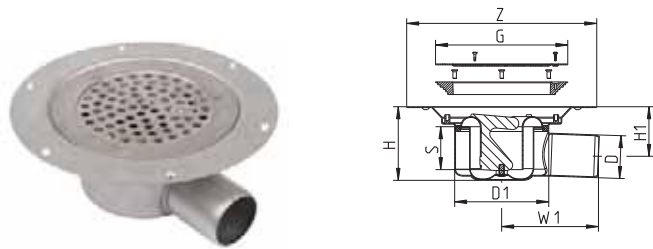
MINI DRAIN CIRCLE TYPE 281



Type no.	EAN no.	D	Z	G	H	H1	W1
281.300.032	5705499107388	32	Ø222	Ø155	67	52	104

Not for removable water trap. Adaptor for D=40mm included.

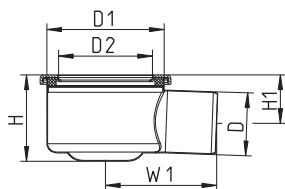
SHOWER DRAIN CIRCLE TYPE 283
WITH REMOVABLE WATER TRAP



Type no.	EAN no.	D	D1	Z	G	H	H1	S	W1
283.300.050 V	5705499134964	50	110	Ø222	Ø155	86	58	50	113
283.300.050 VS	5705499134971	50	110	Ø222	Ø155	86	58	50	113

- without membrane flange

LOWER PART FOR SHOWER DRAIN TYPE 110

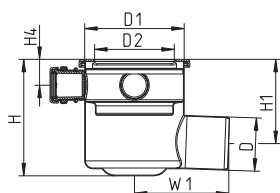


Type no.	EAN no.	D	D1	H	H1	W1	D2
110.000.050	5705499126914	50	140	103	70	128	113
110.000.075	5705499107036	75	140	103	58	133	113
110.000.075 S	5705499107043	75	140	103	58	133	113
110.000.110	5705499129403	110	140	124	71	143	113
110.000.110 S	5705499129410	110	140	124	71	143	113

Suitable for all upper parts and flanges with D=110mm or D=113mm.

LOWER PART FOR SHOWER DRAIN TYPE 111

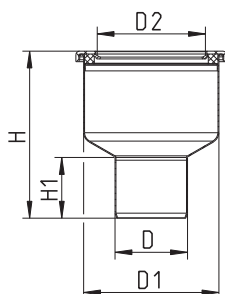
WITH SIDE INLETS



Type no.	EAN no.	D	D1	H	H1	H4	W1	D2
111.000.075	5705499107050	75	140	164	119	36	133	113

Suitable for all upper parts and flanges with D=110mm or D=113mm.

LOWER PART FOR SHOWER DRAIN TYPE 150

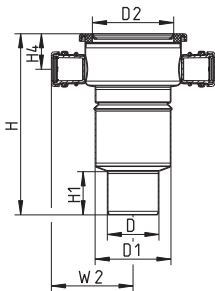


Type no.	EAN no.	D	D1	H	H1	D2
150.000.050	5705499107524	50	140	177	58	113
150.000.075	5705499107074	75	140	173	63	113
150.000.110	5705499107098	110	140	141	79	113

Suitable for all upper parts and flanges with D=110mm or D=113mm.

- without membrane flange

LOWER PART FOR SHOWER DRAIN TYPE 151
WITH SIDE INLETS

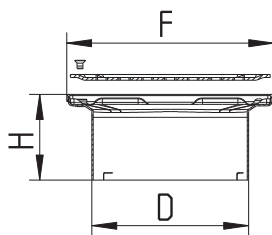


Type no.	EAN no.	D	D1	H	H1	H4	W2	D2
151.000.075	5705499107111	75	140	263	63	52	119	113
151.000.110	5705499107135	110	140	151	79	52	119	113

Suitable for all upper parts and flanges with D=110mm or D=113mm.

UPPER PART FOR SHOWER DRAIN SQUARE TYPE 110

WITHOUT SUPPORTING RING

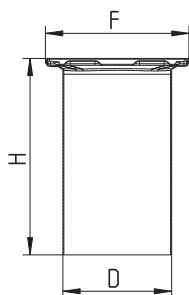


Type no.	EAN no.	D	F	H
110.300.000	5705499106916	110	145x145	60

Suitable for adjustable drain type 110, 151, 155, 351, 355, 360 and 361.
And for adjustable drain type 150 and 350 with outlet D=110mm.

UPPER PART FOR SHOWER DRAIN SQUARE, EXTRA LENGTH TYPE 110

WITHOUT SUPPORTING RING



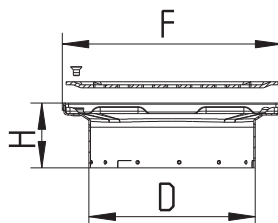
Type no.	EAN no.	D	F	H
110.300.001	5705499107210	110	145x145	199

Suitable for adjustable drain type 360,
and for all adjustable drains with one or more of the following characteristics:
- horizontal outlet
- outlet D=110mm
- side inlets

Please note: To extend the height of shower drain type 3XX we recommend using extra-length flange type 326.300.001 (see accessories)

UPPER PART FOR SHOWER DRAIN SQUARE TYPE 111

WITHOUT SUPPORTING RING

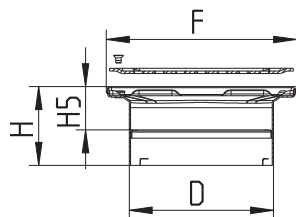


Type no.	EAN no.	D	F	H
111.300.000	5705499106893	110	145x145	43

Suitable for adjustable drain type 102, 111, 114, 302, 311, 313 and 353.

UPPER PART FOR SHOWER DRAIN SQUARE TYPE 150

WITH SUPPORTING RING FOR WATER TRAP

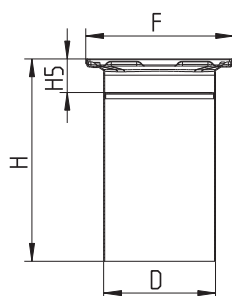


Type no.	EAN no.	D	F	H	H5
150.300.000	5705499106954	110	145x145	60	33

Suitable for adjustable drain type 150 with outlet D=50mm or D=75mm

UPPER PART FOR SHOWER DRAIN SQUARE, EXTRA LENGTH TYPE 150

WITH SUPPORTING RING FOR WATER TRAP



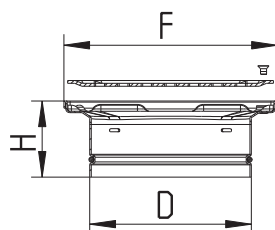
Type no.	EAN no.	D	F	H	H5
150.300.001	5705499107234	110	145x145	199	33

Suitable for adjustable drain type 150, 350 and 352 with outlet D=50mm or D=75mm.

Please note: To extend the height of shower drain type 3XX we recommend using extra-length flange type 326.300.001 (see accessories)

UPPER PART FOR SHOWER DRAIN SQUARE TYPE 310

WITH SUPPORTING RING FOR WATER TRAP

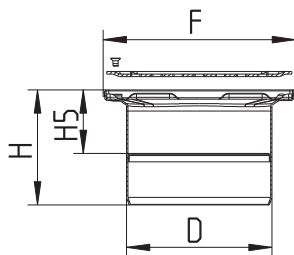


Type no.	EAN no.	D	F	H
310.300.000	5705499118018	110	145x145	52

Suitable for adjustable drain type 310 and 314.
And for adjustable drain type 150 with outlet D=50mm or D=75mm.

UPPER PART FOR SHOWER DRAIN SQUARE TYPE 312

WITH SUPPORTING RING FOR WATER TRAP

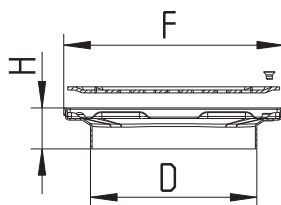


Type no.	EAN no.	D	F	H	H5
312.300.000	5705499106930	110	145x145	87	48

Suitable for adjustable drain type 312 and 352.

UPPER PART FOR SHOWER DRAIN SQUARE TYPE 381

WITHOUT SUPPORTING RING

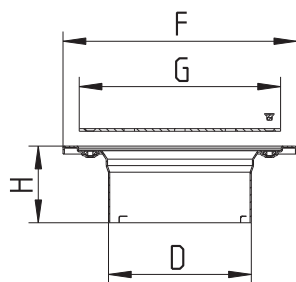


Type no.	EAN no.	D	F	H
381.300.000	5705499118421	110	145x145	27

Suitable for adjustable drain type 381.

UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 110.320.000

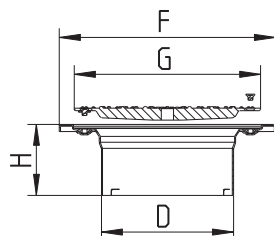
WITHOUT SUPPORTING RING



Type no.	EAN no.	D	F	G	H
110.320.000 S	5705499118032	110	Ø180	Ø155	59

UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 110.320.100

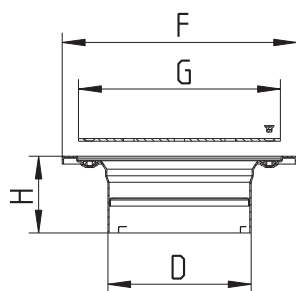
WITHOUT SUPPORTING RING



Type no.	EAN no.	D	F	G	H
110.320.100 S	5705499131871	110	Ø180	Ø155	59

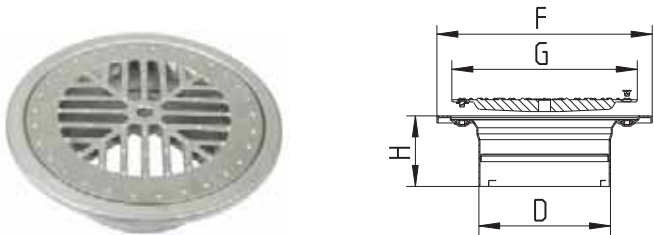
UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 150.320.000

WITH SUPPORTING RING FOR WATER TRAP



Type no.	EAN no.	D	F	G	H
150.320.000 S	5705499118049	110	Ø180	Ø155	59

UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 150.320.100
WITH SUPPORTING RING FOR WATER TRAP

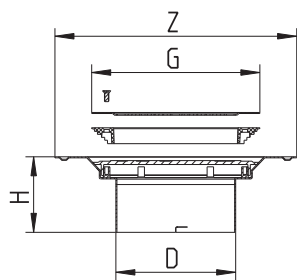


Type no.	EAN no.	D	F	G	H
150.320.100 S	5705499131888	110	Ø180	Ø155	59

All dimensions in mm - Stainless Steel grade AISI 316L specify type no. with suffix S

UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 210

WITHOUT SUPPORTING RING

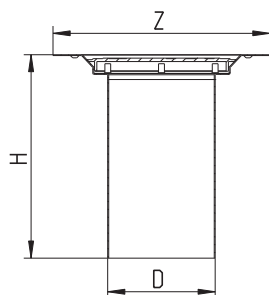


Type no.	EAN no.	D	Z	G	H
210.300.000	5705499106992	110	Ø222	Ø155	70

Suitable for adjustable drain type 210 and 251.
And for adjustable drain type 250 with outlet D=110mm.

UPPER PART FOR SHOWER DRAIN CIRCLE, EXTRA LENGTH TYPE 210

WITHOUT SUPPORTING RING



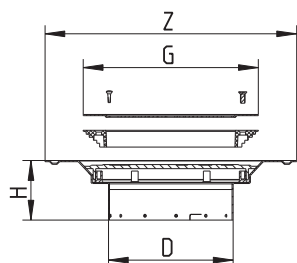
Type no.	EAN no.	D	Z	H
210.300.001	5705499117981	110	Ø222	209

Suitable for all adjustable drains with one or more of the following characteristics:

- horizontal outlet
- outlet D=110mm
- side inlets

UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 211

WITHOUT SUPPORTING RING

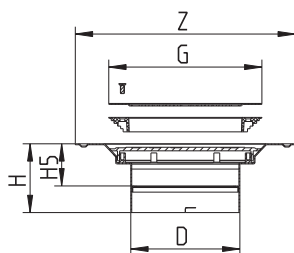


Type no.	EAN no.	D	Z	G	H
211.300.000	5705499106978	110	Ø222	Ø155	53

Suitable for adjustable drain type 202, 211, 214 and 253.

UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 250

WITH SUPPORTING RING FOR WATER TRAP

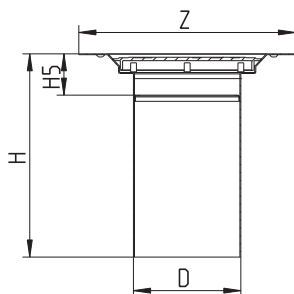


Type no.	EAN no.	D	Z	G	H	H5
250.300.000	5705499107012	110	Ø222	Ø155	70	43

Suitable for adjustable drain type 250 with outlet D=50mm or D=75mm.

UPPER PART FOR SHOWER DRAIN CIRCLE, EXTRA LENGTH TYPE 250

WITH SUPPORTING RING FOR WATER TRAP

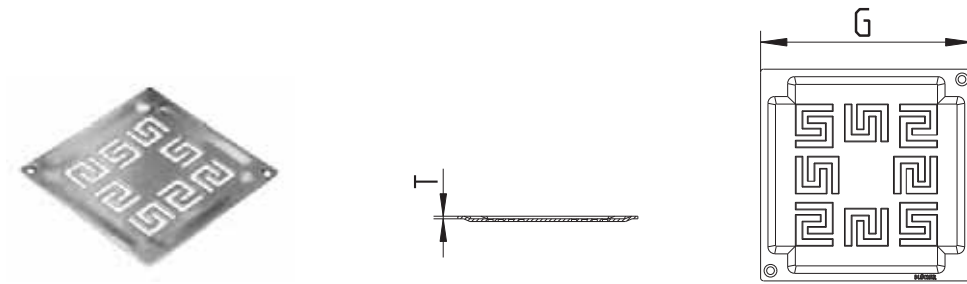


Type no.	EAN no.	D	Z	H	H5
250.300.001	5705499118001	110	Ø222	209	43

Suitable for adjustable drain type 250 with outlet D=50mm or D=75mm.

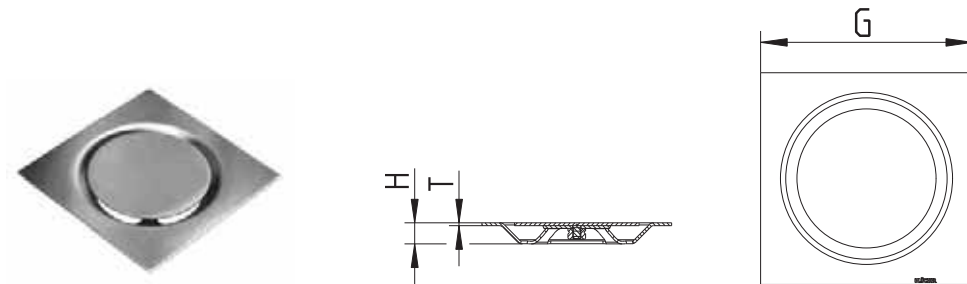
Gratings SQUARE

GRATING SQUARE ATHENS



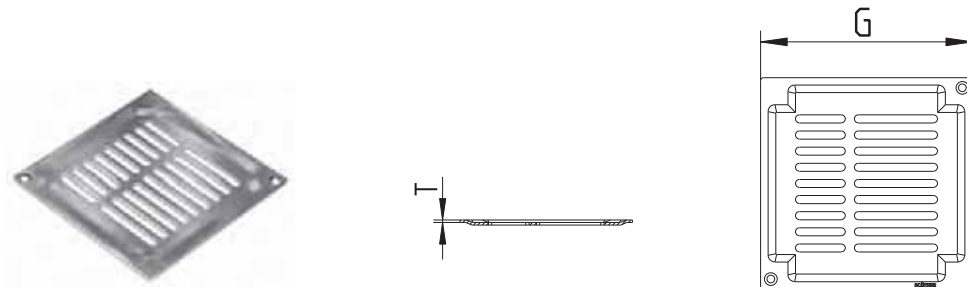
Type no.	EAN no.	G	T	Screws
610.155.427	5705499122848	140x140	2	2

GRATING SQUARE COPENHAGEN



Type no.	EAN no.	G	H	T	Screws
610.155.521	5705499102192	140x140	16	2	0

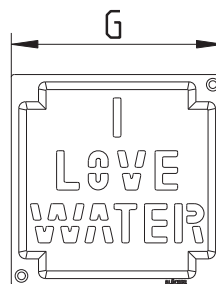
GRATING SQUARE DETROIT



Type no.	EAN no.	G	T	Screws
610.155.428	5705499122916	140x140	2	2

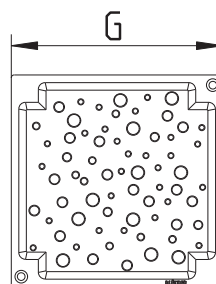
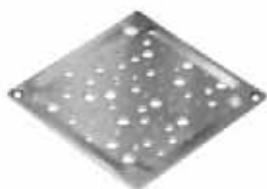
Gratings SQUARE

GRATING SQUARE NEW YORK



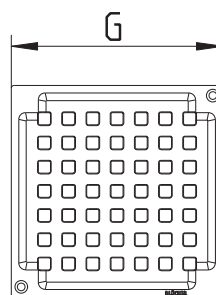
Type no.	EAN no.	G	T	Screws
610.155.429	5705499122985	140x140	2	2

GRATING SQUARE OSLO



Type no.	EAN no.	G	T	Screws
610.155.426	5705499122770	140x140	2	2

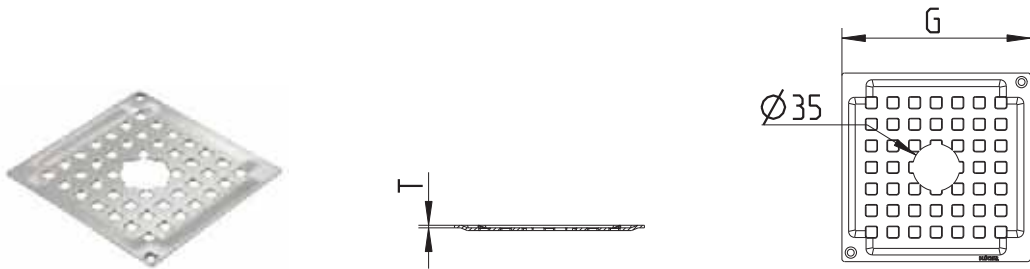
GRATING SQUARE VIENNA



Type no.	EAN no.	G	T	Screws
610.155.421	5705499102116	140x140	2	2

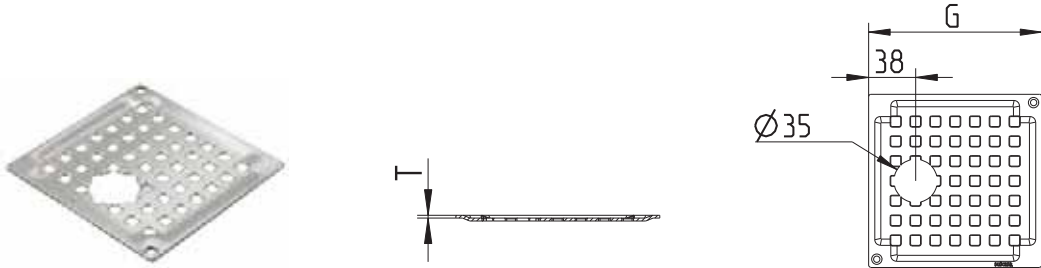
Gratings SQUARE

GRATING SQUARE VIENNA, CUT A



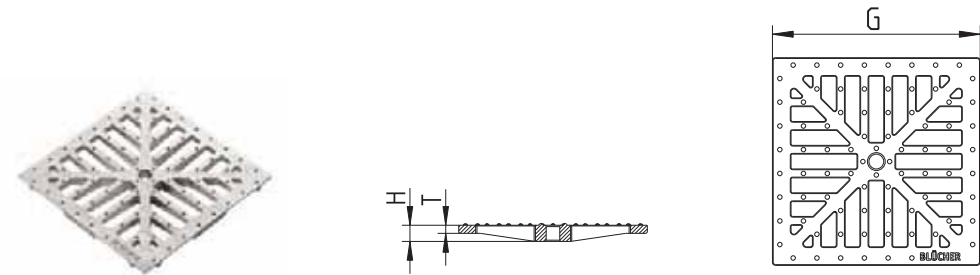
Type no.	EAN no.	G	T	Screws
610.155.441 A	5705499102161	140x140	2	2

GRATING SQUARE VIENNA, CUT B



Type no.	EAN no.	G	T	Screws
610.155.441 B	5705499102178	140x140	2	2

GRATING SQUARE HYGIENIC-PRO

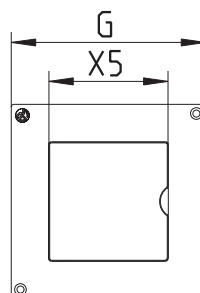
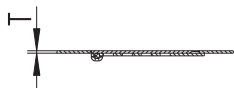


Type no.	EAN no.	G	H	T	EN1253	Screws
610.155.500	5705499128369	140x140	12	6	L 3000 kg	0
610.155.501	5705499128376	140x140	12	6	L 3000 kg	2

Gratings SQUARE

HINGED GRATING SQUARE

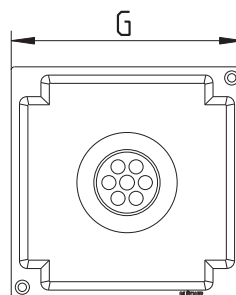
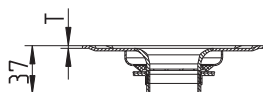
WITH HINGED COVER



Type no.	EAN no.	G	X5	T	Screws
610.155.550	5705499120004	140x140	86x86	2	2

BLANK PLATE SQUARE

WITH 1¼" BOTTOM VALVE



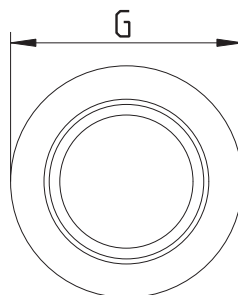
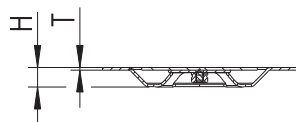
Type no.	EAN no.	G	T	Screws
610.155.451	5705499102185	140x140	2	2

BSP thread.

Cannot be mounted in drains type 110, 114, 140, 150, 160, 310, 314, 350 og 352 except in special cases - Please contact BLÜCHER

Gratings CIRCLE

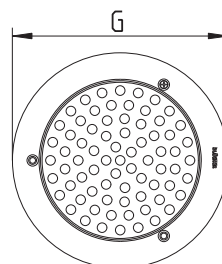
GRATING CIRCLE COPENHAGEN



Type no.	EAN no.	G	H	T	Screws
610.160.521	5705499114164	Ø160	16	2	0
651.155.521	5705499114317	Ø155	16	2	3

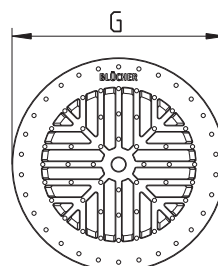
GRATING CIRCLE VIENNA

FOR VINYL FLOORS



Type no.	EAN no.	G	T	Screws
620.155.011	5705499102642	Ø155	1	3

GRATING CIRCLE HYGIENIC-PRO

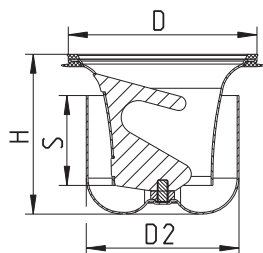


Type no.	EAN no.	G	H	T	EN1253	Screws
620.155.500	5705499128406	Ø155	10	2	L 3000 kg	0
620.155.501	5705499128413	Ø155	10	2	L 3000 kg	2

Fits into upper parts CIRCLE for resin floors

Water traps

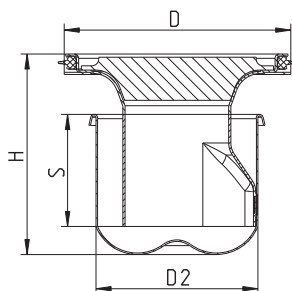
REMOVABLE TWO-PART WATER TRAP TYPE 502.050



Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
502.050.110	5705499124064	108	89	50	85	1.7

Fits into all drains except type X10, X11 and X14 produced before 2008.
Accurate flow rate depending on type of drain and grating.

REMOVABLE WATER TRAP TYPE 502.052

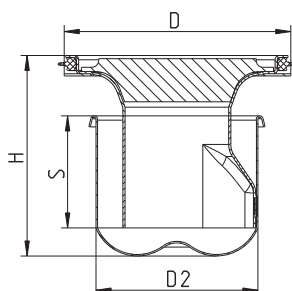


Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
502.052.110	5705499105582	108	93	52	75	1.3

Accurate flow rate depending on type of drain and grating.

REMOVABLE WATER TRAP TYPE 502.052

WITH CR SEALING RING

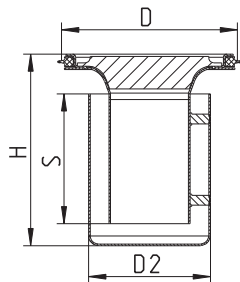


Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
502.052.110 CR	5705499114010	108	93	52	75	1.3

Accurate flow rate depending on type of drain and grating.

Water traps

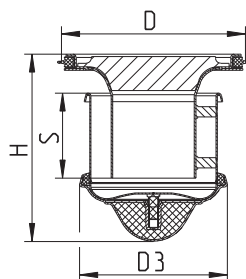
REMOVABLE WATER TRAP TYPE 502.082



Type no.	EAN no.	D	H	S	D2
502.082.110 S	5705499128468	108	118	80	75

Water seal height = 80mm.
Fits into all drains with Ø110 mm vertical outlet.

REMOVABLE WATER TRAP FIRE PROOF TYPE 502.052

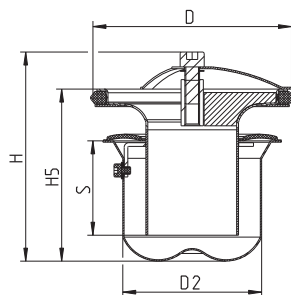


Type no.	EAN no.	D	H	S	D3	Max Flow (l/s)
502.052.110 FS	5705499120509	108	110	50	87	1.2

Fits only shower drains with vertical outlet D=50mm or D=75mm.
Accurate flow rate depending on type of drain and grating.

REMOVABLE MULTI WATER TRAP TYPE 503

PREVENTS SMELL AND BACK FLOW



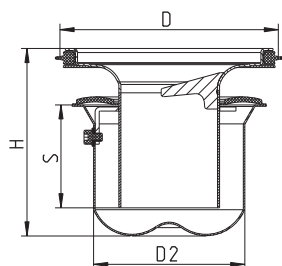
Type no.	EAN no.	D	H	H5	S	D2	Max Flow (l/s)
503.000.110	5705499118735	108	113	93	51	75	1.3

Accurate flow rate depending on type of drain and grating.

Water traps

REMOVABLE WATER TRAP TYPE 503.001

PREVENTS SMELL

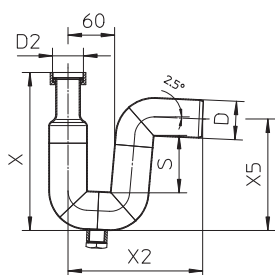


Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
503.001.110	5705499134728	108	93	51	75	1.3

Accurate flow rate depending on type of drain and grating.

P-TRAP 87.5° TYPE 525

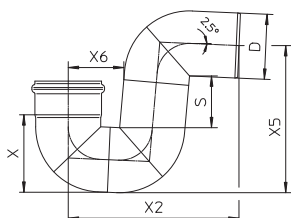
WITH COUPLING AND DRAIN PLUG



Type no.	EAN no.	D	S	D2	X	X2	X5
525.032.050 S	5705499114065	50	74	1¼	205	175	145
525.040.050 S	5705499114072	50	74	1½	205	175	145
525.050.050 S	5705499114089	50	74	2	205	175	145

D2 Specified in inches ("). BSP thread.

P-TRAP 87.5° TYPE 525.090

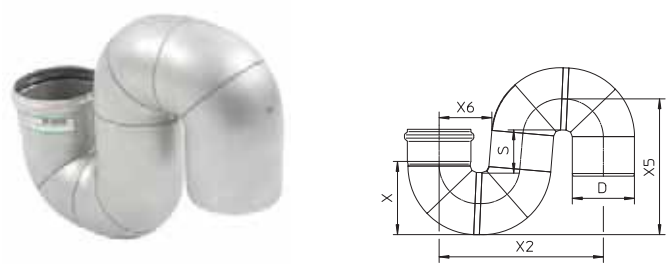


Type no.	EAN no.	D	S	X	X2	X5	X6	Max Flow (l/s)
525.090.050 S	5705499101461	50	74	67	175	145	60	1.7
525.090.075 S	5705499101478	75	81	93	222	189	74	2.5
525.090.110 S	5705499101485	110	89	132	289	249	94	3.4

Accurate flow rate depending on installation.

Water traps

S-TRAP 180° TYPE 525.180

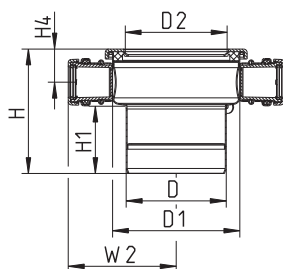


Type no.	EAN no.	D	S	X	X2	X5	X6
525.180.050 S	5705499114096	50	74	67	166	145	60
525.180.075 S	5705499114102	75	81	93	217	190	74
525.180.110 S	5705499114119	110	89	132	292	249	94

Others

INTERMEDIATE SECTION TYPE 145

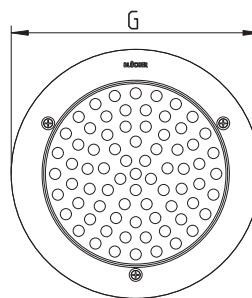
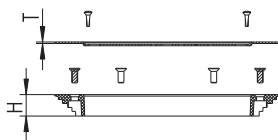
WITH SIDE INLETS



Type no.	EAN no.	D	D1	H	H1	H4	W2	D2
145.300.110	5705499107197	110	140	137	75	37	119	113

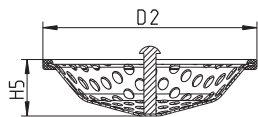
MOUNTING SET CIRCLE VIENNA

WITH CLAMPING RING



Type no.	EAN no.	G	H	T	Screws
620.300.002	5705499105629	Ø155	15	1	3

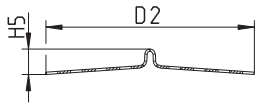
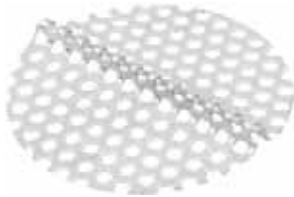
FILTER BASKET FOR REMOVABLE TWO-PART WATER TRAP



Type no.	EAN no.	H5	D2
502.000.000 S	5705499124101	24	106

Others

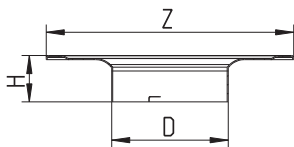
SCREEN FOR REMOVABLE WATER TRAP



Type no.	EAN no.	H5	D2
501.000.000.05 S	5705499114003	10	90

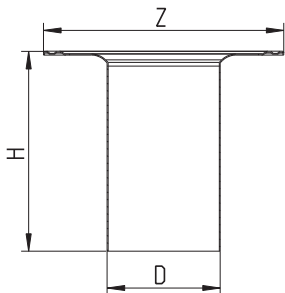
Fits trap type 502.052

FLANGE FOR LIQUID MEMBRANE TYPE 326.300



Type no.	EAN no.	D	Z	H
326.300.000	5705499107173	113	Ø240	45

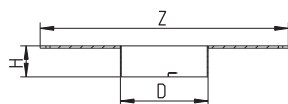
FLANGE FOR LIQUID MEMBRANE, EXTRA LENGTH TYPE 326.300



Type no.	EAN no.	D	Z	H
326.300.001	5705499107258	113	Ø240	200

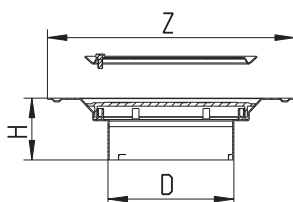
Others

FLANGE FOR LIQUID MEMBRANE TYPE 326.302



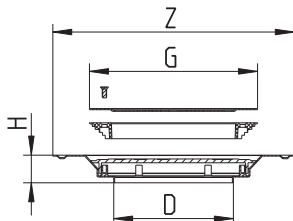
Type no.	EAN no.	D	Z	H
326.302.001	5705499131635	113	Ø320	40

FLANGE FOR SHEET MEMBRANE



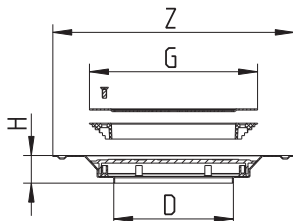
Type no.	EAN no.	D	Z	H
325.300.000	5705499107159	113	Ø222	56

FLANGE AND GRATING FOR VINYL FLOORS (REPAIR)



Type no.	EAN no.	D	Z	G	H
299.300.000	5705499107357	110	Ø222	Ø155	26

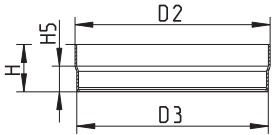
FLANGE AND GRATING FOR VINYL FLOORS (REPAIR)



Type no.	EAN no.	D	Z	G	H
299.140.000	5705499100891	113	188x188	Ø136	28

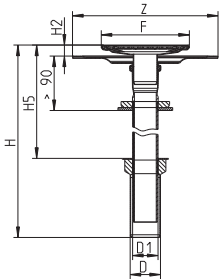
Others

EXTENSION RING



Type no.	EAN no.	H	H5	D2	D3
620.200.005 S	5705499105971	28	15	116	113
620.200.022 S	5705499127676	100	15	116	113

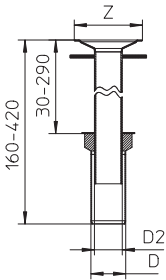
INSERT FOR CAST IRON SHOWER DRAIN, EXTRA LENGTH TYPE 130



Type no.	EAN no.	D	D1	F	Z	H	H2	H5
130.155.040	5705499100150	50	42	145x145	Ø240	263-498	8-23	132-367

Fits D=75mm and D=82mm.

INSERT FOR SQUARE CAST IRON SHOWER DRAIN TYPE 135

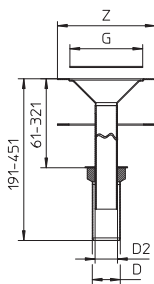


Type no.	EAN no.	D	Z	D2
135.000.040	5705499100167	50	Ø98	40

Fits D=75mm and D=82mm.

Others

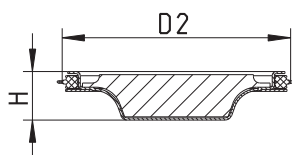
INSERT FOR ROUND CAST IRON SHOWER DRAIN TYPE 135



Type no.	EAN no.	D	Z	G	D2
135.130.040	5705499100174	50	Ø175	Ø130	40

Fits D=75mm and D=82mm.

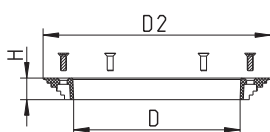
PLUG FOR SHOWER DRAIN



Type no.	EAN no.	H	D2
620.300.019 S	5705499118568	23	108

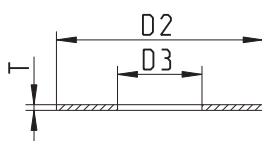
CLAMPING RING

FOR VINYL FLOORS OR FOR SHEET MEMBRANE



Type no.	EAN no.	D	H	D2
620.300.004	5705499105667	113	15	155

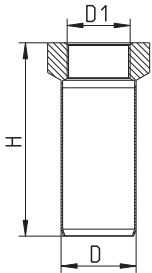
ROSE



Type no.	EAN no.	D2	D3	T
620.300.013	5705499107821	110	45	3

Others

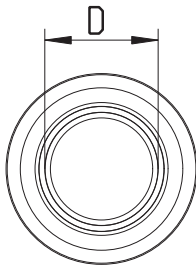
ADAPTOR TYPE 851



Type no.	EAN no.	D	D1	H
851.130.040	5705499403220	50	1¼	130

D1 specified in inches ("). BSP thread.

SIDE INLET COMPLETE

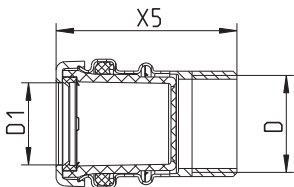


Type no.	EAN no.	D
620.300.008	5705499106695	32

Inlet diameter can be changed to D=40mm

SIDE INLET TYPE 880 (REPAIR)

FOR SHOWER DRAINS PRODUCED BEFORE 1998



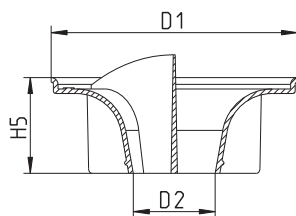
Type no.	EAN no.	D	D1	X5
880.032.000	5705499114331	1¼	32	73

D specified in inches ("). BSP thread.

Others

DEFLECTOR

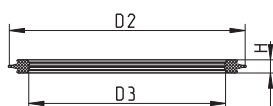
FOR DRAINS WITH SIDE INLETS



Type no.	EAN no.	D1	H5	D2
620.300.009	5705499106701	108	42	36

SEALING RING

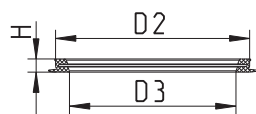
FOR WATER TRAP TYPE 502.052.110



Type no.	EAN no.	H	D2	D3
620.300.010	5705499106718	6	110	50

SEALING RING

FOR WATER TRAP TYPE 502.050.110



Type no.	EAN no.	H	D2	D3
620.300.042	5705499127331	7	102	87

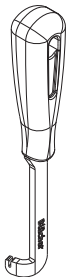
Others

SET OF SCREWS



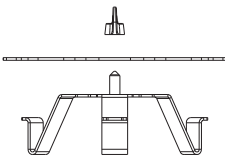
Type no.	EAN no.	Designation
620.300.007	5705499106688	Set of screws for grating (drain for concrete)
620.300.011	5705499102772	Set of screws for grating (drain for vinyl)
620.300.012	5705499106725	Set of screws for clamping ring

TAB BENDING TOOL



Type no.	EAN no.
001.000.001	5705499124088

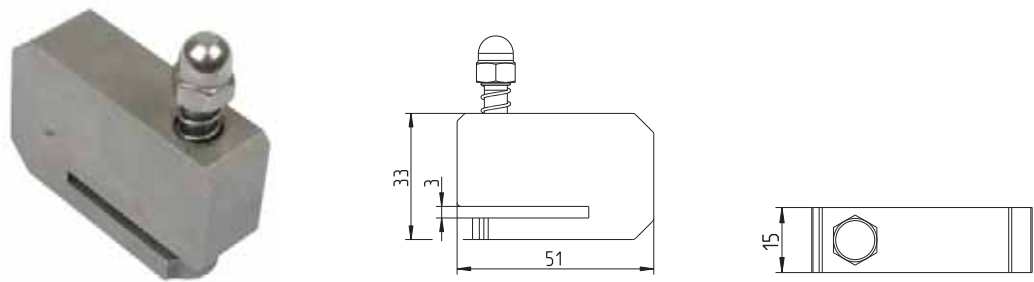
VINYL CUTTING TEMPLATE
FOR CUTTING IN VINYL FLOORS



Type no.	EAN no.
001.200.001	5705499124095

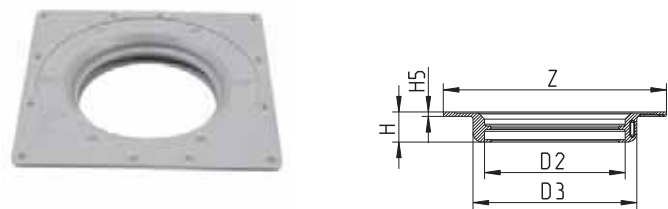
Others

VINYL HOLE PUNCHING TOOL



Type no.	EAN no.
001.200.002	5705499128239

MOUNTING PLATE



Type no.	EAN no.	Z	H	H5	D2	D3
620.300.039	5705499126976	250x250	34	5	158	184

All dimensions in mm - Stainless Steel grade AISI 316L specify type no. with suffix S

Shower channels for housing and commercial applications



Height-adjustable

No permanent connection between wall and floor

Applications

For tiled and vinyl flooring in:

- Private housing bathrooms
- Toilets and showers in hotels, hospitals, fitness centres, etc.

Details

- All in stainless steel AISI 304/EN 1.4301
- Brush grain finish
- Adjustable frame height
- Secured grate providing rat stop

Options

- Water trap
- Side inlet connection
- 7 different design gratings

Variants

- Installation against 1, 3 or no walls
- 300-700-800-900-1000 mm standard lengths
- Up to 2000 mm length as customized channel

Series

- Series 17X for tiled floors without membrane
- Series 275 for vinyl floors
- Series 37X for tiled floors with liquid membrane
- Series 395 for tiled floors with sheet membrane

Complete drains

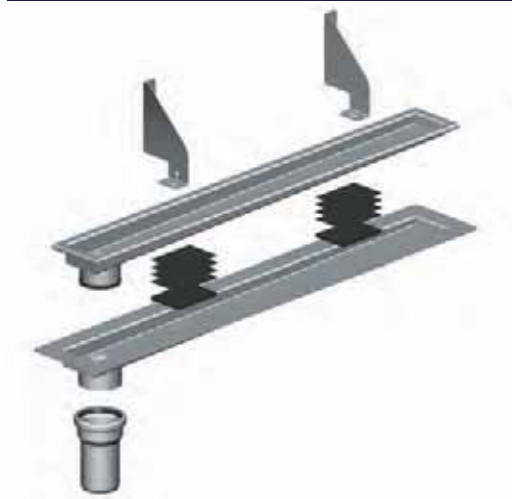
Series 17X for tiled floor without membrane



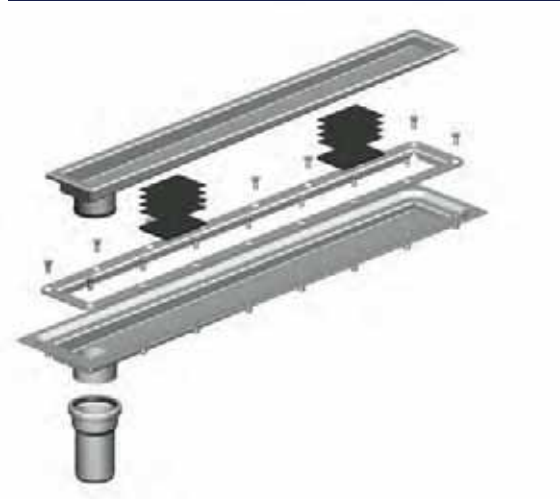
Series 275 for vinyl floor



Series 37X for tiled floor with liquid membrane



Series 395 for tiled floor with sheet membrane



Complete shower channel

Channel

Series 17X 1-part channel or series 275, 37X and 395 adjustable 2-part shower channel. Standard OD50 mm outlet at the left end included. Series 37X and 395 come with rubber pads for height adjustment. Series 37X comes with removable mounting brackets.

Grating

No standard grating is included - selected design grating to be ordered separately.

Water trap

Water trap with casing and stand pipe not included - to be ordered separately. To be fitted during installation of the channel, cannot be retro-fitted.

Side inlet OD40 mm is an accessory - to be ordered separately.

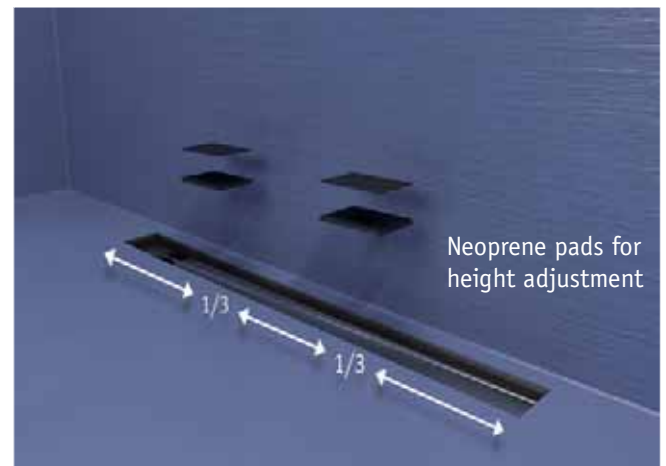
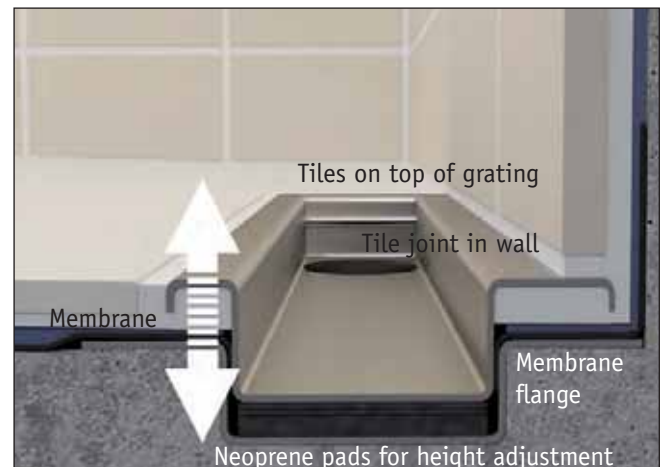


Installation examples

Tiles



Tiles and liquid membrane



Vinyl

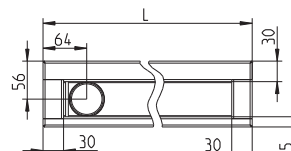
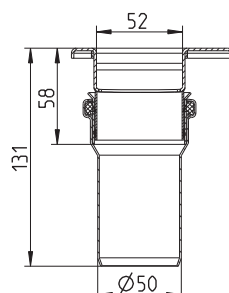


Installation videos available at www.blucher.com

without membrane

SHOWER CHANNEL WATERLINE TYPE 171

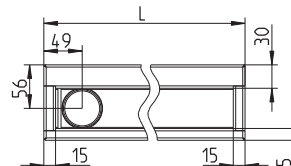
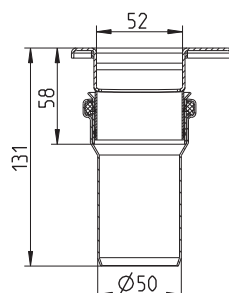
FOR INSTALLATION AGAINST 3 WALLS



Type no.	EAN no.	L
171.070.056.20	5705499122374	694
171.080.056.20	5705499122381	794
171.090.056.20	5705499122398	894
171.100.056.20	5705499122404	994

SHOWER CHANNEL WATERLINE TYPE 174

FOR INSTALLATION AGAINST BACK WALL

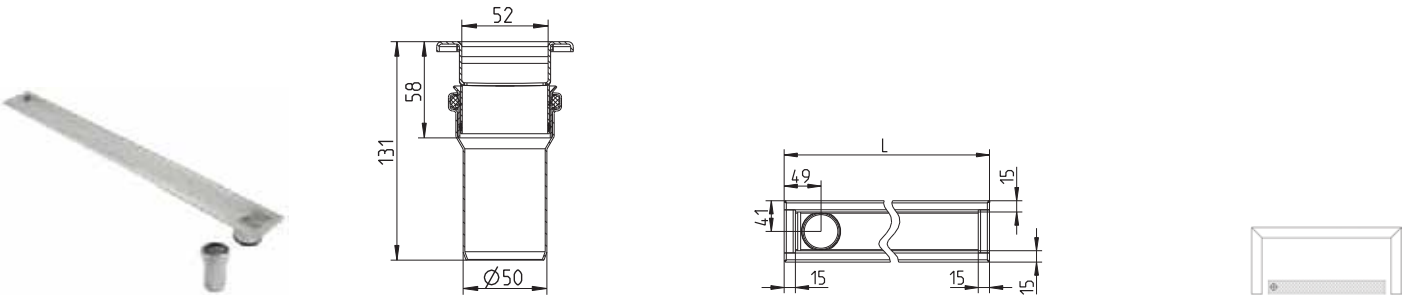


Type no.	EAN no.	L
174.030.056.20	5705499122411	264
174.070.056.20	5705499122428	664
174.080.056.20	5705499122435	764
174.090.056.20	5705499122442	864
174.100.056.20	5705499122459	964

without membrane

SHOWER CHANNEL WATERLINE TYPE 175

FOR FREE PLACING

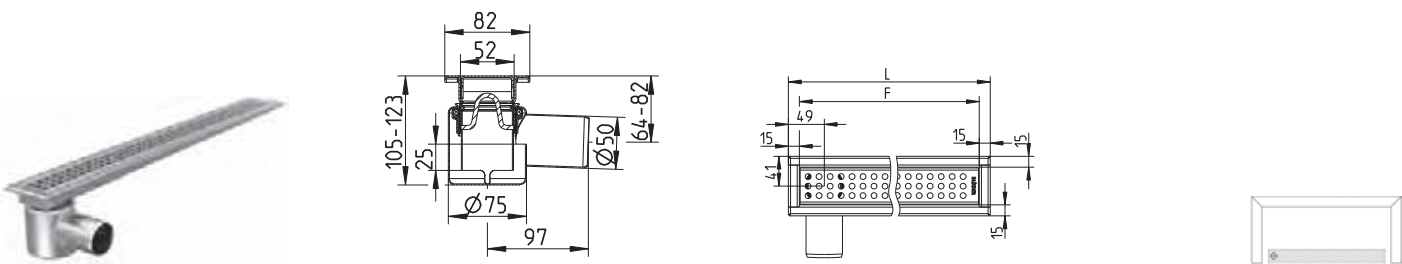


Type no.	EAN no.	L
175.070.056.20	5705499122466	664
175.080.056.20	5705499122473	764
175.090.056.20	5705499122480	864
175.100.056.20	5705499122497	964

If the channel is to be fitted with the grating LINE NEW YORK, it is to be taken into account prior to installation that the text on the grating starts over the channel outlet and is read towards the other end of the channel.

SHOWER CHANNEL WATERLINE TYPE 175, ITEM SET

FOR FREE PLACING



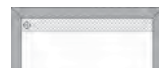
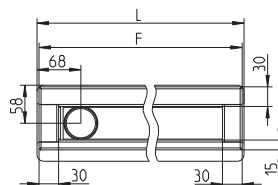
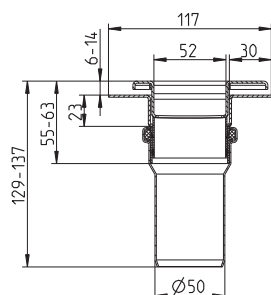
Type no.	EAN no.	F	L
175.070.056.7A	5705499134643	634	664
175.080.056.7A	5705499134650	734	764
175.090.056.7A	5705499134667	834	864
175.100.056.7A	5705499134674	934	964

Complete with shower channel, lower part, grating and water trap.

with liquid membrane

SHOWER CHANNEL WATERLINE TYPE 371

FOR INSTALLATION AGAINST 3 WALLS

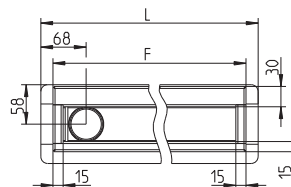
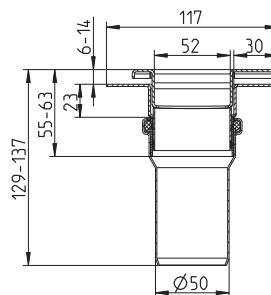


Type no.	EAN no.	F	L
371.070.056.20	5705499122244	694	700
371.080.056.20	5705499122251	794	800
371.090.056.20	5705499122268	894	900
371.100.056.20	5705499122275	994	1000

Mounting brackets included for easy and safe installation. Mounting brackets to be removed after installation to allow wall and floor to move independently.

SHOWER CHANNEL WATERLINE TYPE 374

FOR INSTALLATION AGAINST BACK WALL



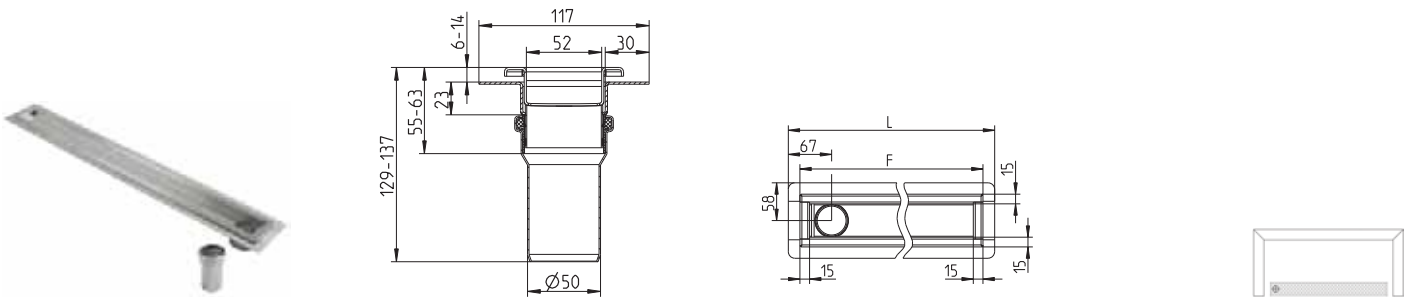
Type no.	EAN no.	F	L
374.030.056.20	5705499122282	264	300
374.070.056.20	5705499122299	664	700
374.080.056.20	5705499122305	764	800
374.090.056.20	5705499122312	864	900
374.100.056.20	5705499122329	964	1000

Mounting brackets included for easy and safe installation. Mounting brackets to be removed after installation to allow wall and floor to move independently.

with liquid membrane

SHOWER CHANNEL WATERLINE TYPE 375

FOR FREE PLACING

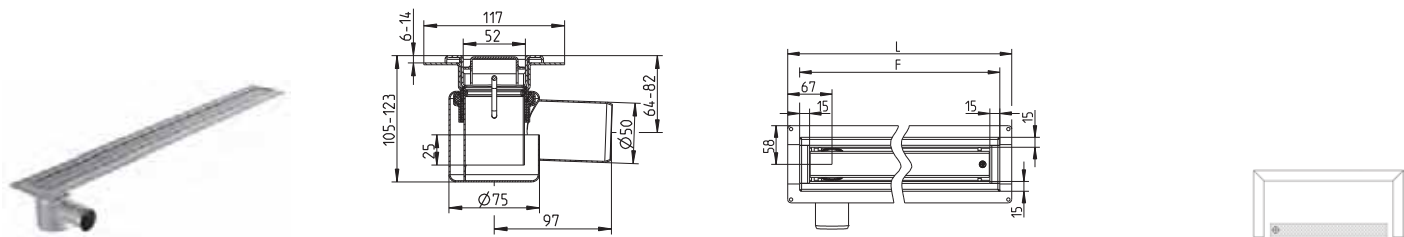


Type no.	EAN no.	F	L
375.070.056.20	5705499122336	664	700
375.080.056.20	5705499122343	764	800
375.090.056.20	5705499122350	864	900
375.100.056.20	5705499122367	964	1000

If the channel is to be fitted with the grating LINE NEW YORK, it is to be taken into account prior to installation that the text on the grating starts over the channel outlet and is read towards the other end of the channel.

SHOWER CHANNEL WATERLINE TYPE 375, ITEM SET

FOR FREE PLACING



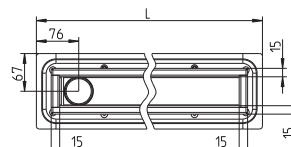
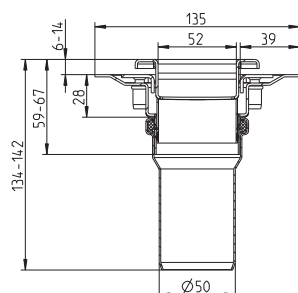
Type no.	EAN no.	F	L
375.080.056.7B	5705499134681	764	800
375.090.056.7B	5705499134865	864	900

Complete with shower channel, lower part, grating and water trap.

with sheet membrane

SHOWER CHANNEL WATERLINE TYPE 395

FOR FREE PLACING

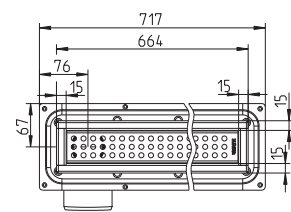
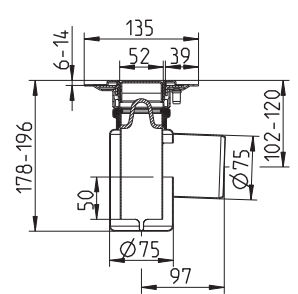


Type no.	EAN no.	L
395.070.056.20	5705499122688	717
395.080.056.20	5705499122695	817
395.090.056.20	5705499122701	917
395.100.056.20	5705499122718	1017

If the channel is to be fitted with the grating LINE NEW YORK, it is to be taken into account prior to installation that the text on the grating starts over the channel outlet and is read towards the other end of the channel.

SHOWER CHANNEL WATERLINE TYPE 395, ITEM SET

FOR FREE PLACING

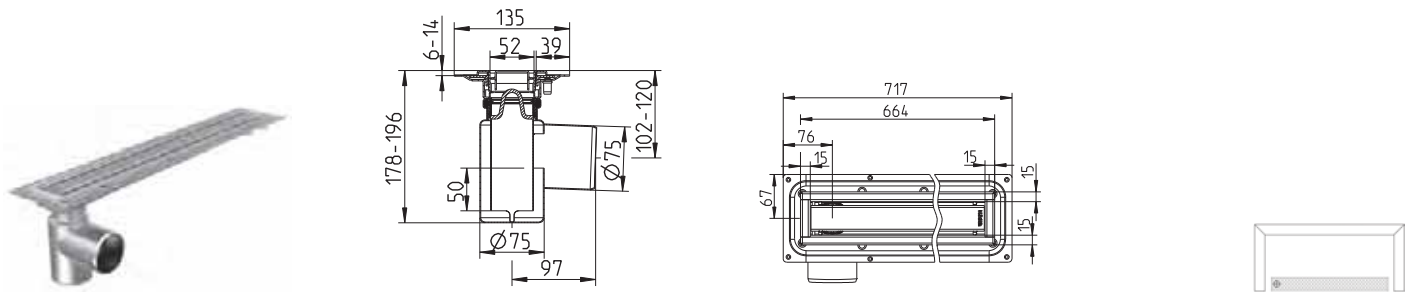


Type no.	EAN no.	F	L
395.070.056.4A	5705499134438	717	664
395.080.056.4A	5705499134445	817	764
395.090.056.4A	5705499134452	917	864
395.100.056.4A	5705499134469	1017	964

Complete with shower channel, lower part, grating and water trap.

with sheet membrane

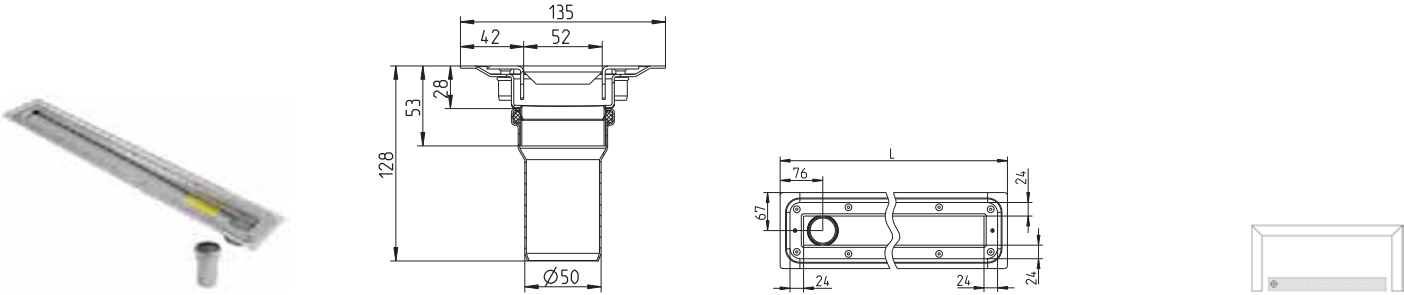
SHOWER CHANNEL WATERLINE TYPE 395, ITEM SET
FOR FREE PLACING



Type no.	EAN no.	F	L
395.070.056.4B	5705499134476	717	664
395.080.056.4B	5705499134483	817	764
395.090.056.4B	5705499134490	917	864
395.100.056.4B	5705499134506	1017	964

Complete with shower channel, lower part, grating and water trap.

SHOWER CHANNEL WATERLINE TYPE 275
FOR FREE PLACING

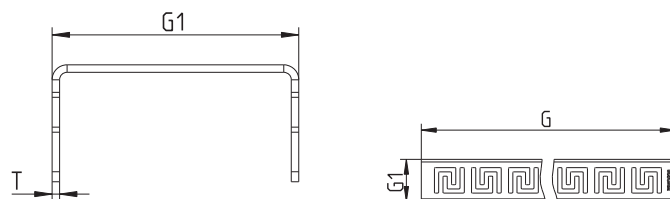


Type no.	EAN no.	L
275.070.056.20	5705499122527	700
275.080.056.20	5705499122534	800
275.090.056.20	5705499122541	900
275.100.056.20	5705499122558	1000

Required distance from wall to long side of channel = 50mm
Required distance from wall to end of channel = 100mm

Gratings

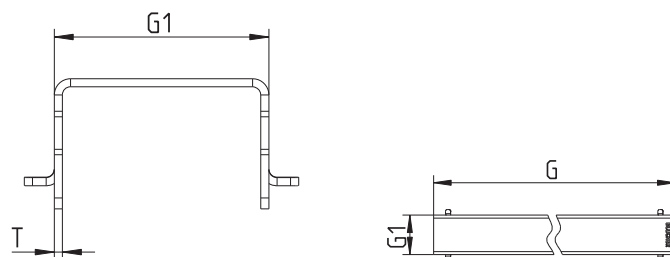
GRATING LINE ATHENS



Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.005.030	5705499122794	232	50	1.5	0.7
697.005.070	5705499122800	632	50	1.5	0.9
697.005.080	5705499122817	732	50	1.5	0.9
697.005.090	5705499122824	832	50	1.5	0.9
697.005.100	5705499122831	932	50	1.5	0.9

If used with water trap type 510, please note that max flow through water trap is 0.8 l/s.

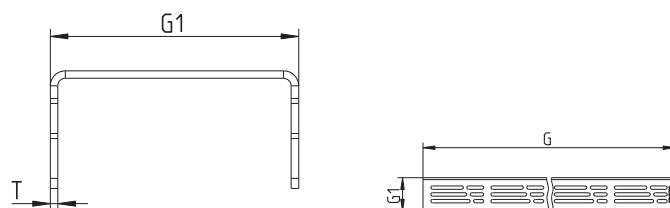
GRATING LINE COPENHAGEN



Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.004.030	5705499119251	232	40	1.5	0.9
697.004.070	5705499119268	632	40	1.5	1.1
697.004.080	5705499119275	732	40	1.5	1.1
697.004.090	5705499119282	832	40	1.5	1.1
697.004.100	5705499119299	932	40	1.5	1.1

If used with water trap type 510, please note that max flow through water trap is 0.8 l/s.

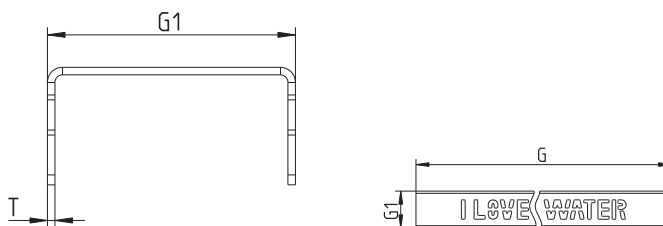
GRATING LINE DETROIT



Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.006.030	5705499122862	232	50	1.5	0.6
697.006.070	5705499122879	632	50	1.5	0.7
697.006.080	5705499122886	732	50	1.5	0.7
697.006.090	5705499122893	832	50	1.5	0.7
697.006.100	5705499122909	932	50	1.5	0.7

Gratings

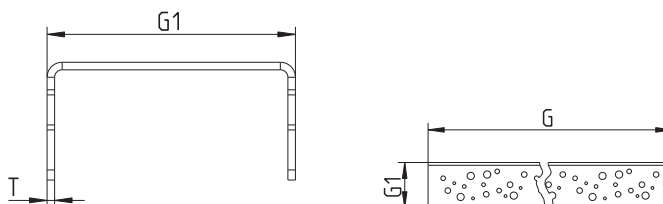
GRATING LINE NEW YORK



Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.007.030	5705499122930	232	50	1.5	0.6
697.007.070	5705499122947	632	50	1.5	0.8
697.007.080	5705499122954	732	50	1.5	0.8
697.007.090	5705499122961	832	50	1.5	0.8
697.007.100	5705499122978	932	50	1.5	0.8

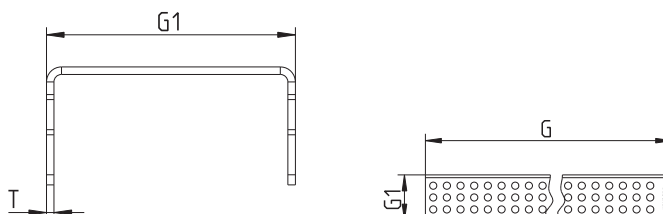
Please note that the text starts over the channel outlet and is read towards the other end of the channel.

GRATING LINE OSLO



Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.008.030	5705499122725	232	50	1.5	0.4
697.008.070	5705499122732	632	50	1.5	0.5
697.008.080	5705499122749	732	50	1.5	0.5
697.008.090	5705499122756	832	50	1.5	0.5
697.008.100	5705499122763	932	50	1.5	0.5

GRATING LINE VIENNA

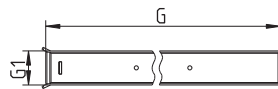
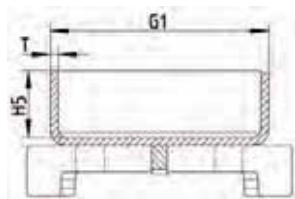


Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.003.030	5705499119206	232	50	1.5	0.7
697.003.070	5705499119213	632	50	1.5	0.9
697.003.080	5705499119220	732	50	1.5	0.9
697.003.090	5705499119237	832	50	1.5	0.9
697.003.100	5705499119244	932	50	1.5	0.9

If used with water trap type 510, please note that max flow through water trap is 0.8 l/s.

Gratings

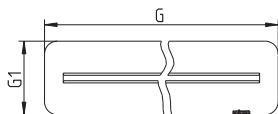
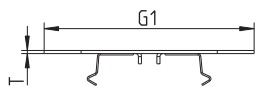
GRATING LINE TOKYO



Type no.	EAN no.	G	G1	H5	T	Max Flow (l/s)
697.009.030	5705499126983	224	42	13	1.5	0.8
697.009.070	5705499126990	624	42	13	1.5	0.8
697.009.080	5705499127003	724	42	13	1.5	0.8
697.009.090	5705499127010	824	42	13	1.5	0.8
697.009.100	5705499127027	924	42	13	1.5	0.8

GRATING LINE COPENHAGEN VINYL

FOR WATERLINE SHOWER CHANNEL FOR VINYL FLOORS

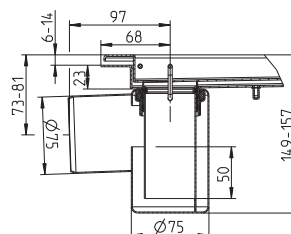
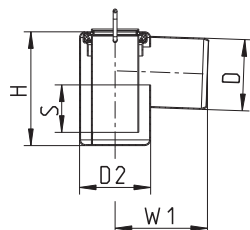


Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.104.070	5705499122565	685	103	1.5	0.6
697.104.080	5705499122572	785	103	1.5	0.6
697.104.090	5705499122589	885	103	1.5	0.6
697.104.100	5705499122596	985	103	1.5	0.6

Water traps

WATER TRAP FOR WATERLINE

TO BE BUILT IN - CANNOT BE RETRO-FITTED

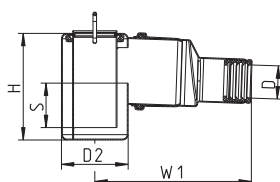


Type no.	EAN no.	D	H	S	W1	D2	Max Flow (l/s)
510.000.075	5705499120011	75	120	50	97	75	0.8

Accurate flow rate depending on type of grating.

WATER TRAP FOR WATERLINE

TO BE BUILT IN - CANNOT BE RETRO-FITTED



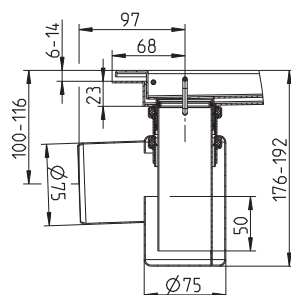
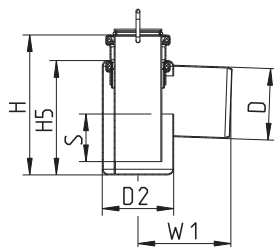
Type no.	EAN no.	D	H	S	W1	D2	Max Flow (l/s)
510.000.059	5705499126907	1½	120	50	176	75	0.7

D specified in inches (").

Accurate flow rate depending on type of grating.

WATER TRAP FOR WATERLINE, HIGH MODEL

TO BE BUILT IN - CANNOT BE RETRO-FITTED



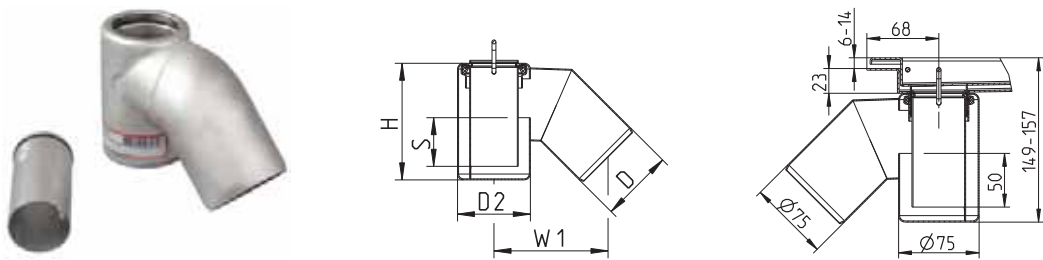
Type no.	EAN no.	D	H	H5	S	W1	D2	Max Flow (l/s)
510.002.075	5705499123067	75	147	120	50	97	75	0.8

Accurate flow rate depending on type of grating.

Water traps

WATER TRAP 45° FOR WATERLINE

TO BE BUILT IN - CANNOT BE RETRO-FITTED

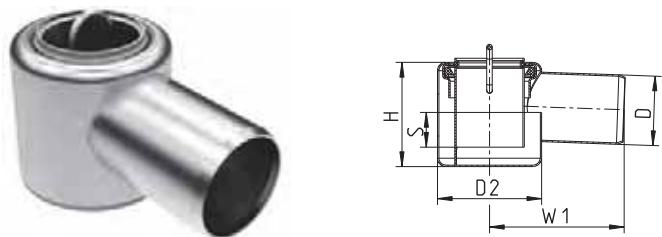


Type no.	EAN no.	D	H	S	W1	D2	Max Flow (l/s)
510.003.075	5705499123074	75	120	50	117	75	0.8

Accurate flow rate depending on type of grating.

WATER TRAP FOR WATERLINE, LOW MODEL

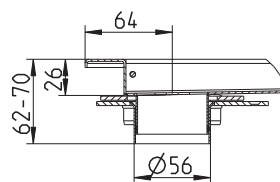
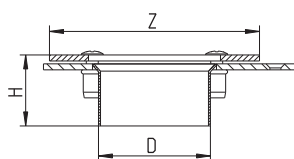
TO BE BUILT IN - CANNOT BE RETRO-FITTED



Type no.	EAN no.	D	H	S	W1	D2
510.025.050	5705499134711	50	75	25	97	75

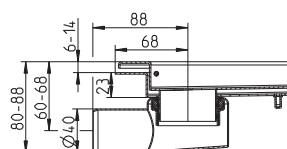
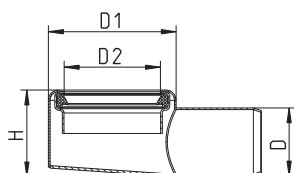
Others

FLANGE FOR WATERLINE



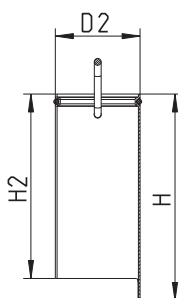
Type no.	EAN no.	D	Z	H
326.005.000	5705499121513	56	105x105	36

LOWER PART FOR WATERLINE



Type no.	EAN no.	D	D1	H	D2
620.300.028	5705499120288	40	75	51	56

STAND PIPE FOR WATERLINE WATER TRAP

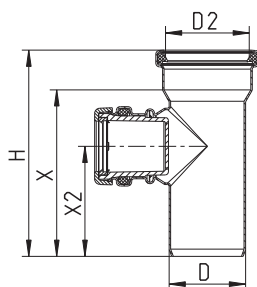


Type no.	EAN no.	H	H2	D2
620.300.021	5705499120035	122	109	50

Others

CONNECTING PIECE FOR WATERLINE

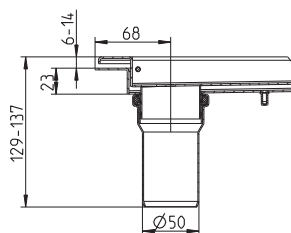
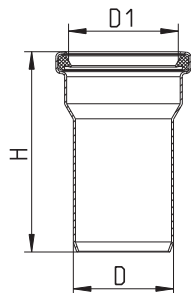
WITH SIDE INLET



Type no.	EAN no.	D	H	D2	X	X2
620.300.036	5705499123692	50	135	56	109	72

Side inlet Ø32mm fits Ø40mm as well.

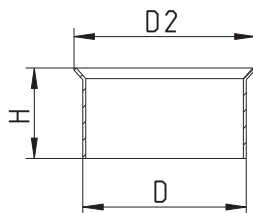
CONNECTING PIECE FOR WATERLINE



Type no.	EAN no.	D	D1	H
620.300.022	5705499120042	50	56	100

CONNECTING PIECE FOR WATERLINE

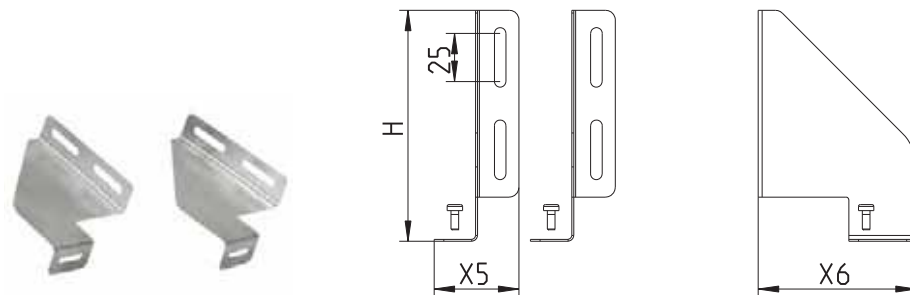
FOR TYPE 17X



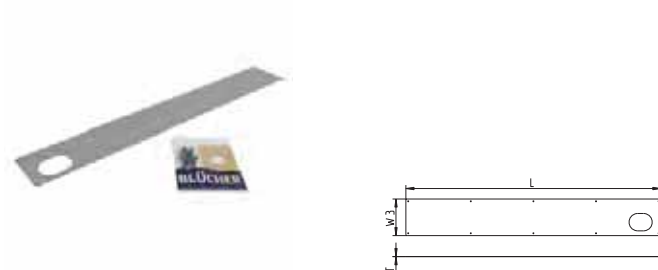
Type no.	EAN no.	D	H	D2
620.300.023	5705499120059	56	31	62

Others

MOUNTING BRACKETS FOR WATERLINE



Type no.	EAN no.	H	X5	X6
620.300.037	5705499123814	120	44	82

MOUNTING SET FOR WATERLINE
 FOR WOODEN SUBFLOOR


Type no.	EAN no.	L	W3	T
379.011.000	5705499127836	1100	158	0.7

Drains for commercial and industrial applications



Floor drains

For concrete, tiled, epoxy or vinyl floors

Square or circular

Applications

For concrete, tiled, vinyl and epoxy flooring in:

- Industrial areas
- Commercial kitchens
- Supermarkets, restaurants, airports, etc.

Details

- Square or circular reinforced frame
- Flow capacities from 1,2 to 7,8 l/s, with "P" water trap type 525.090.160 S up to 13,5 l/s
- 20 mm frame height
- Gratings suitable for any load class
- Stainless steel AISI304/EN 1.4301 or AISI316L/EN 1.4404

Variants

- Vertical or horizontal outlet
- For liquid membrane, sheet membrane or no membrane

Options

- Removable water trap
- Filter basket and sand bucket

Complete drains

Concrete and tiles without membrane - fixed



- Selected grating
- Optional filter basket
- Optional water trap
- Drain

Concrete and tiles with liquid membrane



- Selected grating
- Adjustable upper part
- Optional filter basket
- Optional water trap
- Lower part

Concrete and tiles with sheet membrane



- Selected grating
- Adjustable upper part
- Optional filter basket
- Optional water trap
- Lower part with clamping flange

Upper parts & frames

Concrete/tiles



Frame sizes:
200
250
300

Vinyl



Frame sizes:
200
300

Epoxy



Frame sizes:
200
300

Complete drains

Drain

Fixed 1-part drain or 2-part adjustable drain.

Grating

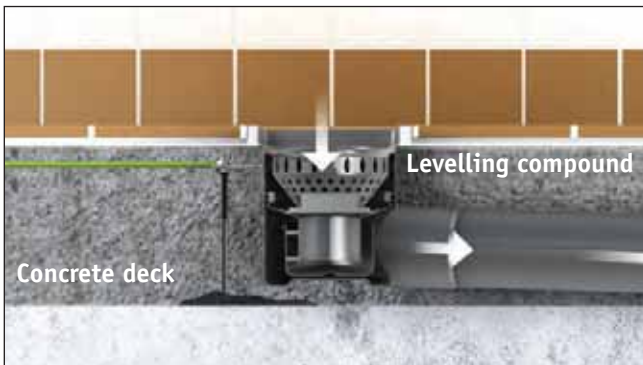
Range of gratings for all load classes. Grating not included - to be ordered separately

Accessories

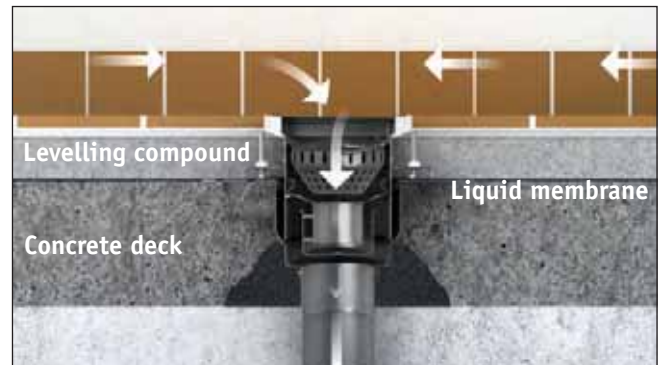
Accessories such as filter basket, sand bucket and water trap not included - to be ordered separately

Installation examples

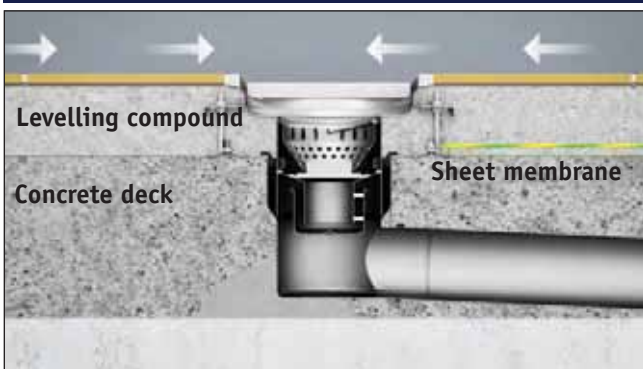
Concrete and tiles without membrane



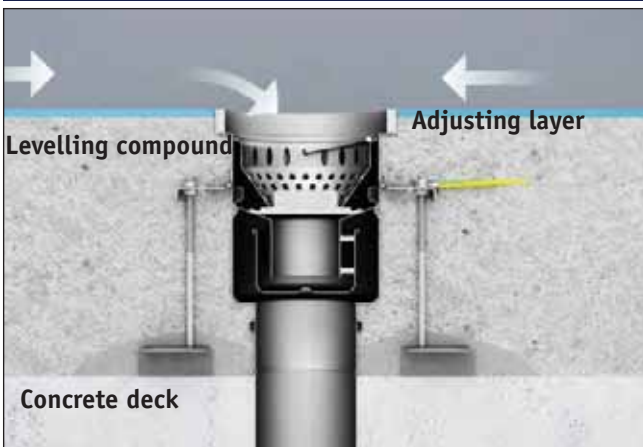
Concrete and tiles with liquid membrane



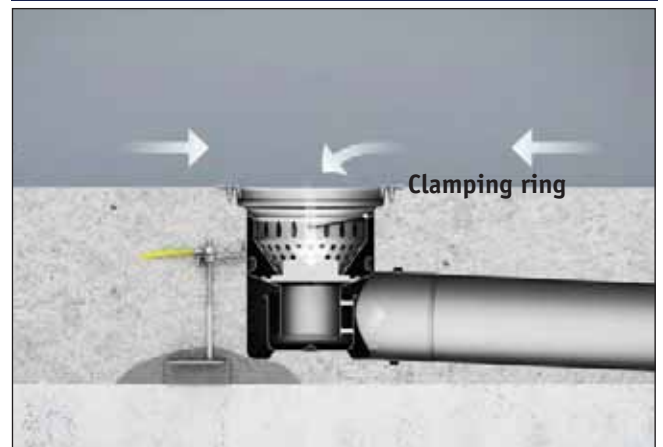
Concrete and tiles with sheet membrane



Epoxy



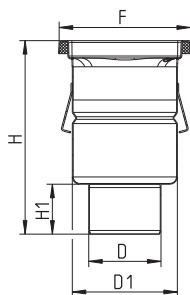
Vinyl



Installation videos available at www.blucher.com

without membrane

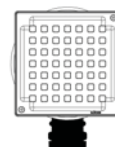
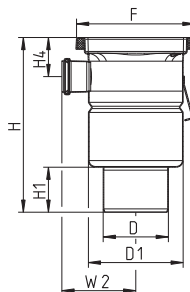
INDUSTRIAL DRAIN TYPE 760.40



Type no.	EAN no.	D	D1	F	H	H1	Holes for screws
760.402.075	5705499109344	75	160	200x200	284	65	0
760.402.075.01	5705499109368	75	160	200x200	284	65	1
760.402.110	5705499109382	110	160	200x200	295	76	0
760.402.110.01	5705499109405	110	160	200x200	295	76	1
760.401.075	5705499128925	75	160	250x250	286	65	0
760.401.075.01	5705499128949	75	160	250x250	286	65	2
760.401.110	5705499128963	110	160	250x250	297	76	0
760.401.110.01	5705499128987	110	160	250x250	297	76	2
760.403.110	5705499109429	110	260	300x300	341	76	0
760.403.110.01	5705499109443	110	260	300x300	341	76	2
760.403.160	5705499109467	160	260	300x300	360	95	0
760.403.160.01	5705499109481	160	260	300x300	360	95	2

INDUSTRIAL DRAIN TYPE 760.40

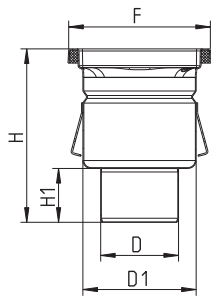
WITH SIDE INLET



Type no.	EAN no.	D	D1	F	H	H1	H4	W2	Holes for screws
760.402.110.91 S	5705499118322	110	160	200x200	295	76	68	132	0
760.403.110.91 S	5705499118339	110	260	300x300	341	76	75	182	0

without membrane

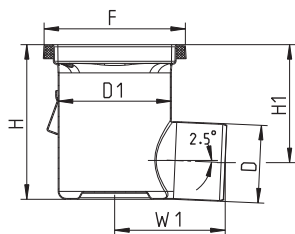
INDUSTRIAL DRAIN, LOW MODEL TYPE 766.40



Type no.	EAN no.	D	D1	F	H	H1	Holes for screws
766.402.075	5705499110227	75	160	200x200	234	65	0
766.402.075.01	5705499110241	75	160	200x200	234	65	1
766.402.110	5705499110265	110	160	200x200	245	76	0
766.402.110.01	5705499110289	110	160	200x200	245	76	1
766.401.075	5705499129007	75	160	250x250	236	65	0
766.401.075.01	5705499129021	75	160	250x250	236	65	2
766.401.110	5705499129045	110	160	250x250	247	76	0
766.401.110.01	5705499129069	110	160	250x250	247	76	2
766.403.075	5705499110302	75	260	300x300	273	65	0
766.403.075.01	5705499110340	75	260	300x300	273	65	2
766.403.110	5705499110364	110	260	300x300	284	76	0
766.403.110.01	5705499110388	110	260	300x300	284	76	2
766.403.160	5705499110401	160	260	300x300	303	95	0
766.403.160.01	5705499110425	160	260	300x300	303	95	2

Only for low filter basket together with water trap

INDUSTRIAL DRAIN TYPE 763.40

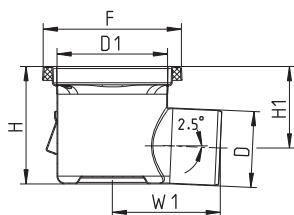


Type no.	EAN no.	D	D1	F	H	H1	W1	Holes for screws
763.402.075	5705499109900	75	160	200x200	219	182	253	0
763.402.075.01	5705499109924	75	160	200x200	219	182	253	1
763.402.110	5705499109948	110	160	200x200	219	167	156	0
763.402.110.01	5705499109962	110	160	200x200	219	167	156	1
763.401.075	5705499129083	75	160	250x250	221	184	253	0
763.401.075.01	5705499129106	75	160	250x250	221	184	253	2
763.401.110	5705499129120	110	160	250x250	221	169	156	0
763.401.110.01	5705499129144	110	160	250x250	221	169	156	2
763.403.110	5705499109986	110	260	300x300	245	193	206	0
763.403.110.01	5705499110005	110	260	300x300	245	193	206	2
763.403.160	5705499110029	160	260	300x300	245	177-220	341	0
763.403.160.01	5705499110043	160	260	300x300	245	177-220	341	2

Drains with outlet other than D=110mm come with adaptor.

without membrane

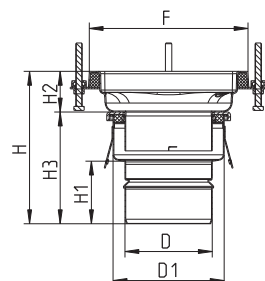
INDUSTRIAL DRAIN, LOW MODEL TYPE 726.40



Type no.	EAN no.	D	D1	F	H	H1	W1	Holes for screws
726.402.075	5705499108866	75	160	200x200	170	137	253	0
726.402.075.01	5705499115598	75	160	200x200	170	137	253	1
726.402.110	5705499108880	110	160	200x200	170	118	156	0
726.402.110.01	5705499115611	110	160	200x200	170	118	156	1
726.401.075	5705499129168	75	160	250x250	172	139	253	0
726.401.075.01	5705499129182	75	160	250x250	172	139	253	2
726.401.110	5705499129205	110	160	250x250	172	120	156	0
726.401.110.01	5705499129229	110	160	250x250	172	120	156	2
726.403.110	5705499108903	110	260	300x300	188	136	206	0
726.403.110.01	5705499115635	110	260	300x300	188	136	206	2
726.403.160	5705499108927	160	260	300x300	188	120-163	341	0
726.403.160.01	5705499115659	160	260	300x300	188	120-163	341	2

Drains with outlet other than D=110mm come with adaptor.
Only for low filter basket together with water trap

ADJUSTABLE INDUSTRIAL DRAIN TYPE 710.402

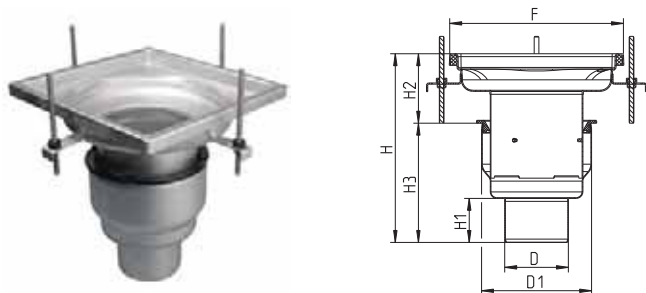


Type no.	EAN no.	D	D1	F	H	H1	H2	H3	Holes for screws
710.402.075	5705499108163	75	140	200x200	224-254	63	51-81	173	0
710.402.110	5705499108187	110	140	200x200	192-222	79	51-81	141	0

Only for removable water trap type 502 and 503 or P-trap

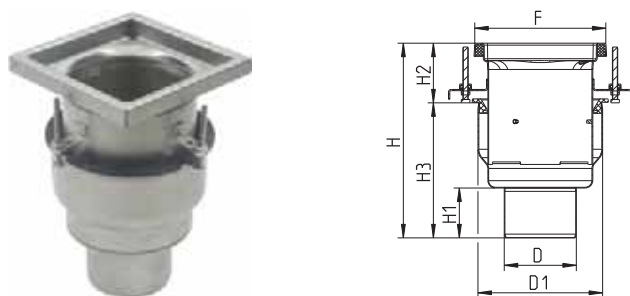
without membrane

ADJUSTABLE INDUSTRIAL DRAIN TYPE 710.403



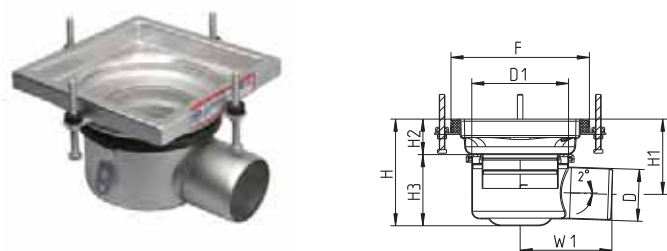
Type no.	EAN no.	D	D1	F	H	H1	H2	H3	Holes for screws
710.403.075	5705499108248	75	190	300x300	315-375	65	120-180	195	0
710.403.110	5705499108262	110	190	300x300	326-386	76	120-180	206	0

ADJUSTABLE INDUSTRIAL DRAIN TYPE 740.40



Type no.	EAN no.	D	D1	F	H	H1	H2	H3	Holes for screws
740.402.075	5705499109108	75	190	200x200	286-346	65	91-151	195	0
740.402.110	5705499109122	110	190	200x200	297-357	76	91-151	206	0
740.403.110	5705499109146	110	291	300x300	342-402	76	91-151	251	0
740.403.160	5705499109160	160	291	300x300	361-421	95	91-151	270	0

ADJUSTABLE INDUSTRIAL DRAIN TYPE 713.402

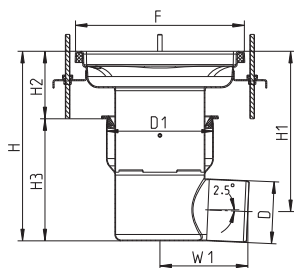


Type no.	EAN no.	D	D1	F	H	H1	H2	H3	W1	Holes for screws
713.402.075	5705499108682	75	140	200x200	154-184	109-139	51-81	103	133	0

Only for removable water trap type 502 and 503.

without membrane

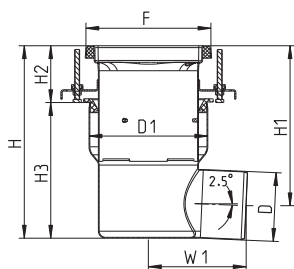
ADJUSTABLE INDUSTRIAL DRAIN TYPE 713.403



Type no.	EAN no.	D	D1	F	H	H1	H2	H3	W1	Holes for screws
713.403.075	5705499108705	75	190	300x300	337-397	304-364	120-180	217	253	0
713.403.110	5705499108729	110	190	300x300	337-397	285-345	120-180	217	155	0

Drains with outlet other than D=110mm come with adaptor.

ADJUSTABLE INDUSTRIAL DRAIN TYPE 743.40

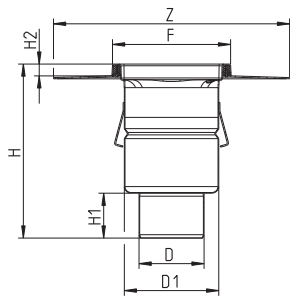


Type no.	EAN no.	D	D1	F	H	H1	H2	H3	W1	Holes for screws
743.402.075	5705499109184	75	190	200x200	308-368	275-335	91-151	217	253	0
743.402.110	5705499109207	110	190	200x200	308-368	256-316	91-151	217	156	0
743.403.110	5705499109221	110	291	300x300	313-373	261-321	91-151	222	206	0
743.403.160	5705499109245	160	291	300x300	313-373	245-348	91-151	222	341	0

Drains with outlet other than D=110mm come with adaptor.

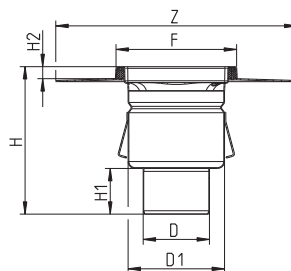
with liquid membrane

INDUSTRIAL DRAIN TYPE 761.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	Holes for screws
761.402.075	5705499109665	75	160	200x200	400x400	284	65	20	0
761.402.075.01	5705499109689	75	160	200x200	400x400	284	65	20	1
761.402.110	5705499109702	110	160	200x200	400x400	295	76	20	0
761.402.110.01	5705499109726	110	160	200x200	400x400	295	76	20	1
761.403.110	5705499109740	110	260	300x300	500x500	341	76	20	0
761.403.110.01	5705499109764	110	260	300x300	500x500	341	76	20	2
761.403.160	5705499109788	160	260	300x300	500x500	360	95	20	0
761.403.160.01	5705499109801	160	260	300x300	500x500	360	95	20	2

INDUSTRIAL DRAIN, LOW MODEL TYPE 767.40

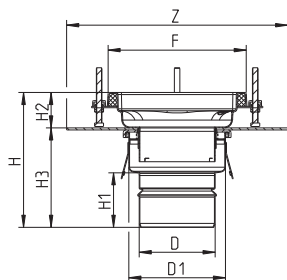


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	Holes for screws
767.402.075	5705499110647	75	160	200x200	400x400	234	65	20	0
767.402.075.01	5705499110661	75	160	200x200	400x400	234	65	20	1
767.402.110	5705499110685	110	160	200x200	400x400	245	76	20	0
767.402.110.01	5705499110708	110	160	200x200	400x400	245	76	20	1
767.403.075	5705499110722	75	260	300x300	500x500	273	65	20	0
767.403.075.01	5705499110760	75	260	300x300	500x500	273	65	20	2
767.403.110	5705499110784	110	260	300x300	500x500	284	76	20	0
767.403.110.01	5705499110807	110	260	300x300	500x500	284	76	20	2
767.403.160	5705499110821	160	260	300x300	500x500	303	95	20	0
767.403.160.01	5705499110845	160	260	300x300	500x500	303	95	20	2

Only for low filter basket together with water trap

with liquid membrane

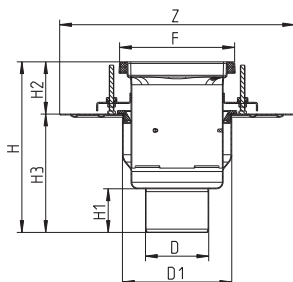
ADJUSTABLE INDUSTRIAL DRAIN TYPE 711.402



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	Holes for screws
711.402.075	5705499108521	75	140	200x200	Ø320	227-265	63	51-81	176-184	0
711.402.110	5705499108545	110	140	200x200	Ø320	195-233	79	51-81	144-152	0

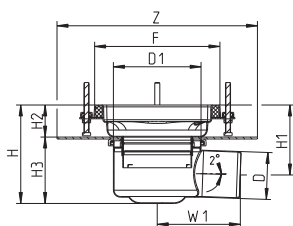
Only for removable water trap type 502 and 503 or P-trap

ADJUSTABLE INDUSTRIAL DRAIN TYPE 774.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	Holes for screws
774.402.075	5705499112023	75	190	200x200	Ø409	286-346	65	91-151	195	0
774.402.110	5705499112078	110	190	200x200	Ø409	297-357	76	91-151	206	0
774.403.110	5705499112153	110	291	300x300	Ø507	342-402	76	91-151	251	0
774.403.160	5705499112207	160	291	300x300	Ø507	361-421	95	91-151	270	0

ADJUSTABLE INDUSTRIAL DRAIN TYPE 714.402

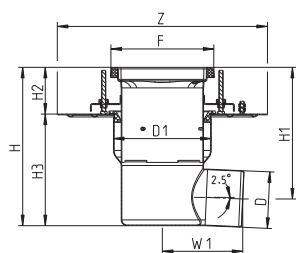


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
714.402.075	5705499108743	75	140	200x200	Ø320	157-195	112-150	51-81	106-114	133	0

Only for removable water trap type 502 and 503.

with liquid membrane

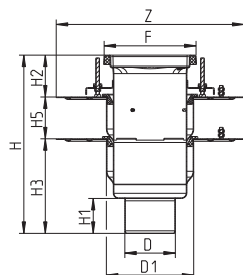
ADJUSTABLE INDUSTRIAL DRAIN TYPE 769.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
769.402.075	5705499110944	75	190	200x200	Ø409	308-368	275-335	91-151	217	253	0
769.402.110	5705499110999	110	190	200x200	Ø409	308-368	256-316	91-151	217	156	0
769.403.110	5705499111040	110	291	300x300	Ø507	313-373	261-321	91-151	222	206	0
769.403.160	5705499111095	160	291	300x300	Ø507	313-373	245-348	91-151	222	341	0

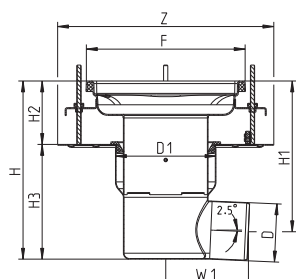
Drains with outlet other than D=110mm come with adaptor.

ADJUSTABLE INDUSTRIAL DRAIN TYPE 777.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	Holes for screws
777.402.075	5705499112979	75	190	200x200	Ø409	377-497	65	91-151	195	91-151	0
777.402.110	5705499112993	110	190	200x200	Ø409	388-508	76	91-151	206	91-151	0
777.403.110	5705499113013	110	291	300x300	Ø507	433-553	76	91-151	251	91-151	0
777.403.160	5705499113037	160	291	300x300	Ø507	452-572	95	91-151	270	91-151	0

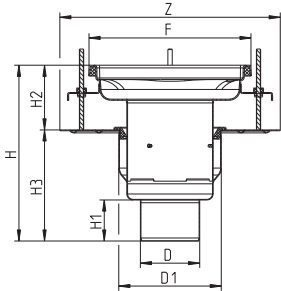
ADJUSTABLE INDUSTRIAL DRAIN TYPE 714.403



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
714.403.075	5705499108767	75	190	300x300	Ø409	337-397	304-364	120-180	217	253	0
714.403.110	5705499108781	110	190	300x300	Ø409	337-397	285-345	120-180	217	155	0

with liquid membrane

ADJUSTABLE INDUSTRIAL DRAIN TYPE 711.403

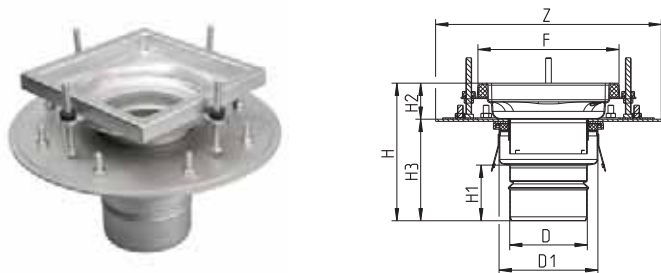


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	Holes for screws
711.403.075	5705499108569	75	190	300x300	Ø409	315-375	65	120-180	195	0
711.403.110	5705499108583	110	190	300x300	Ø409	326-386	76	120-180	206	0

All dimensions in mm - Stainless Steel grade AISI 316L specify type no. with suffix S

with sheet membrane

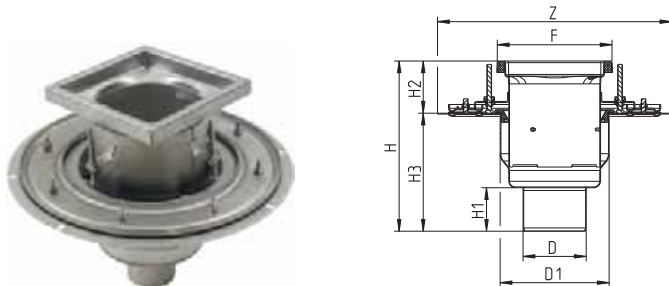
ADJUSTABLE INDUSTRIAL DRAIN TYPE 712.402



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	Holes for screws
712.402.075	5705499108606	75	140	200x200	Ø320	227-265	63	51-81	176-184	0
712.402.110	5705499108620	110	140	200x200	Ø320	205-243	79	51-81	144-152	0

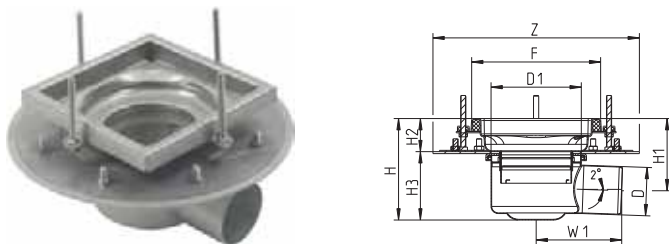
Only for removable water trap type 502 and 503 or P-trap.

ADJUSTABLE INDUSTRIAL DRAIN TYPE 775.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	Holes for screws
775.402.075	5705499112658	75	190	200x200	Ø409	286-346	65	91-151	195	0
775.402.110	5705499112702	110	190	200x200	Ø409	297-357	76	91-151	206	0
775.403.110	5705499112757	110	291	300x300	Ø507	342-402	76	91-151	251	0
775.403.160	5705499112801	160	291	300x300	Ø507	361-421	95	91-151	270	0

ADJUSTABLE INDUSTRIAL DRAIN TYPE 715.402

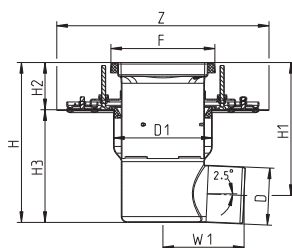


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
715.402.075	5705499108804	75	140	200x200	Ø320	157-195	112-150	51-81	106-114	133	0

Only for removable water trap type 502 and 503.

with sheet membrane

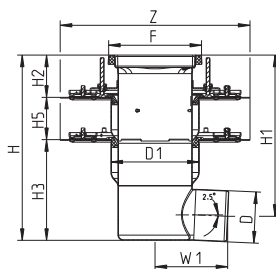
ADJUSTABLE INDUSTRIAL DRAIN TYPE 771.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
771.402.075	5705499111309	75	190	200x200	Ø409	308-368	275-335	91-151	217	253	0
771.402.110	5705499111354	110	190	200x200	Ø409	308-368	256-316	91-151	217	156	0
771.403.110	5705499111408	110	291	300x300	Ø507	313-373	261-321	91-151	222	206	0
771.403.160	5705499111453	160	291	300x300	Ø507	313-373	245-348	91-151	222	341	0

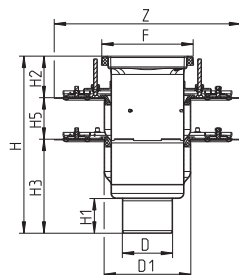
Drains with outlet other than D=110mm come with adaptor.

ADJUSTABLE INDUSTRIAL DRAIN TYPE 773.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	W1	Holes for screws
773.402.075	5705499111743	75	190	200x200	Ø409	399-519	366-486	91-151	217	91-151	253	0
773.402.110	5705499111767	110	190	200x200	Ø409	399-519	347-467	91-151	217	91-151	156	0
773.403.110	5705499111781	110	291	300x300	Ø507	404-524	352-472	91-151	222	91-151	206	0
773.403.160	5705499111804	160	291	300x300	Ø507	404-524	336-456	91-151	222	91-151	341	0

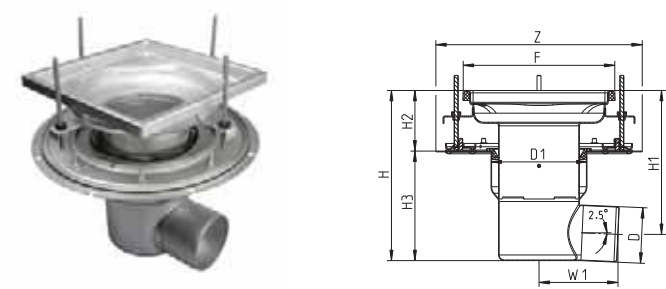
ADJUSTABLE INDUSTRIAL DRAIN TYPE 779.40



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H5	Holes for screws
779.402.075	5705499113174	75	190	200x200	Ø409	377-497	65	91-151	195	91-151	0
779.402.110	5705499113198	110	190	200x200	Ø409	388-508	76	91-151	206	91-151	0
779.403.110	5705499113211	110	291	300x300	Ø507	433-553	76	91-151	251	91-151	0
779.403.160	5705499113235	160	291	300x300	Ø507	452-572	95	91-151	270	91-151	0

with sheet membrane

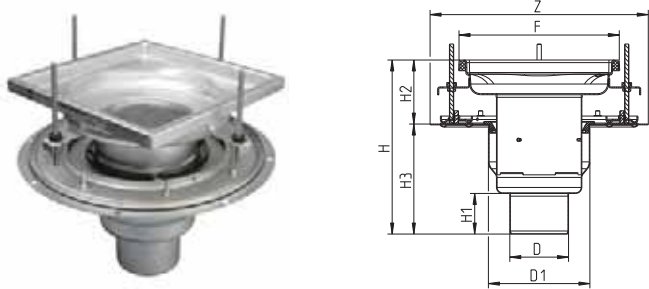
ADJUSTABLE INDUSTRIAL DRAIN TYPE 715.403



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
715.403.075	5705499108828	75	190	300x300	Ø409	337-397	304-364	120-180	217	253	0
715.403.110	5705499108842	110	190	300x300	Ø409	337-397	285-345	120-180	217	155	0

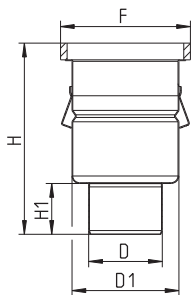
Drains with outlet other than D=110mm come with adaptor.

ADJUSTABLE INDUSTRIAL DRAIN TYPE 712.403



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	Holes for screws
712.403.075	5705499108644	75	190	300x300	Ø409	315-375	65	120-180	195	0
712.403.110	5705499108668	110	190	300x300	Ø409	326-386	76	120-180	206	0

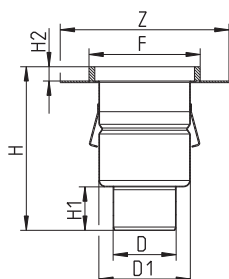
INDUSTRIAL DRAIN TYPE 760.50



Type no.	EAN no.	D	D1	F	H	H1	Holes for screws
760.502.075	5705499109504	75	160	Ø195	275	65	0
760.502.110	5705499109528	110	160	Ø195	286	76	0
760.503.110	5705499109542	110	260	Ø295	327	76	0
760.503.160	5705499109566	160	260	Ø295	346	95	0

Industrial drains for resin floors are also available as adjustable. For more information contact BLÜCHER.

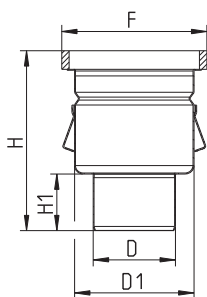
INDUSTRIAL DRAIN TYPE 760.52



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	Holes for screws
760.522.075	5705499123623	75	160	Ø195	Ø295	275	65	25	0
760.522.110	5705499123630	110	160	Ø195	Ø295	286	76	25	0
760.523.110	5705499123647	110	259	Ø294	Ø395	327	76	25	0

Industrial drains for resin floors are also available as adjustable. For more information contact BLÜCHER.

INDUSTRIAL DRAIN, LOW MODEL TYPE 766.50

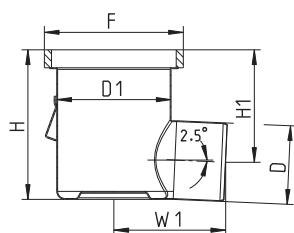


Type no.	EAN no.	D	D1	F	H	H1	Holes for screws
766.502.075	5705499110449	75	160	Ø195	230	65	0
766.502.110	5705499110463	110	160	Ø195	241	76	0
766.503.075	5705499110487	75	260	Ø295	268	65	0
766.503.110	5705499110500	110	260	Ø295	279	76	0
766.503.160	5705499110524	160	260	Ø295	298	95	0

Only for low filter basket together with water trap.

Industrial drains for resin floors are also available as adjustable. For more information contact BLÜCHER.

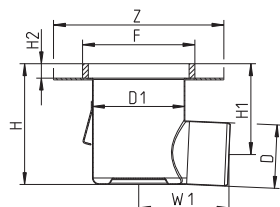
INDUSTRIAL DRAIN TYPE 763.50



Type no.	EAN no.	D	D1	F	H	H1	W1	Holes for screws
763.502.075	5705499110067	75	160	Ø195	209	176	253	0
763.502.110	5705499110081	110	160	Ø195	209	157	156	0
763.503.110	5705499110104	110	260	Ø295	228	176	206	0
763.503.160	5705499110128	160	260	Ø295	228	160-203	341	0

Industrial drains for resin floors are also available as adjustable. For more information contact BLÜCHER.

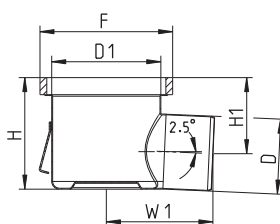
INDUSTRIAL DRAIN TYPE 763.52



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	W1	Holes for screws
763.522.075	5705499123593	75	160	Ø195	Ø295	209	176	25	253	0
763.522.110	5705499123609	110	160	Ø195	Ø295	209	157	25	156	0
763.523.110	5705499123616	110	260	Ø295	Ø395	228	176	25	206	0

Industrial drains for resin floors are also available as adjustable. For more information contact BLÜCHER.

INDUSTRIAL DRAIN, LOW MODEL TYPE 726.50



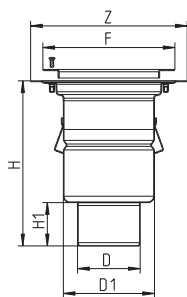
Type no.	EAN no.	D	D1	F	H	H1	W1	Holes for screws
726.502.075	5705499108941	75	160	Ø195	164	127	253	0
726.502.110	5705499108965	110	160	Ø195	164	112	156	0
726.503.110	5705499108989	110	260	Ø295	177	125	206	0
726.503.160	5705499109009	160	260	Ø295	177	109-152	341	0

Drains with outlet other than D=110mm come with adaptor.

Only for low filter basket together with water trap.

Industrial drains for resin floors are also available as adjustable. For more information contact BLÜCHER.

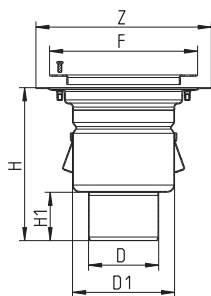
INDUSTRIAL DRAIN TYPE 760.60



Type no.	EAN no.	D	D1	F	Z	H	H1	Holes for screws
760.602.075	5705499109580	75	160	Ø232	Ø275	279	65	0
760.602.110	5705499109603	110	160	Ø232	Ø275	290	76	0
760.603.110	5705499109627	110	260	Ø332	Ø375	336	76	0
760.603.160	5705499109641	160	260	Ø332	Ø375	355	95	0

Industrial drains for vinyl floors are also available as adjustable. For more information contact BLÜCHER.

INDUSTRIAL DRAIN, LOW MODEL TYPE 766.60

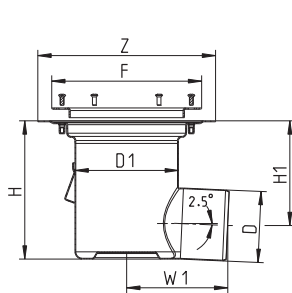


Type no.	EAN no.	D	D1	F	Z	H	H1	Holes for screws
766.602.075	5705499110548	75	160	Ø232	Ø275	229	65	0
766.602.110	5705499110562	110	160	Ø232	Ø275	240	76	0
766.603.075	5705499110586	75	260	Ø332	Ø375	268	65	0
766.603.110	5705499110609	110	260	Ø332	Ø375	279	76	0
766.603.160	5705499110623	160	260	Ø332	Ø375	298	95	0

Only for low filter basket together with water trap.

Industrial drains for vinyl floors are also available as adjustable. For more information contact BLÜCHER.

INDUSTRIAL DRAIN TYPE 763.60

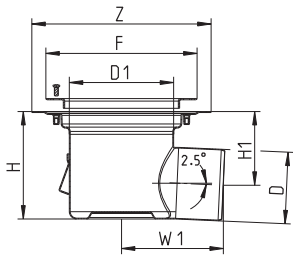


Type no.	EAN no.	D	D1	F	Z	H	H1	W1	Holes for screws
763.602.075	5705499110142	75	160	Ø232	Ø275	214	181	253	0
763.602.110	5705499110166	110	160	Ø232	Ø275	214	162	156	0
763.603.110	5705499110180	110	260	Ø332	Ø375	240	188	206	0
763.603.160	5705499110203	160	260	Ø332	Ø375	240	172-215	341	0

Drains with outlet other than D=110mm come with adaptor.

Industrial drains for vinyl floors are also available as adjustable. For more information contact BLÜCHER.

INDUSTRIAL DRAIN, LOW MODEL TYPE 726.60

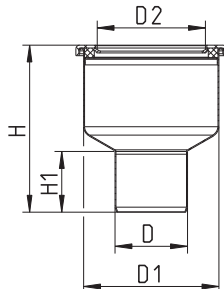


Type no.	EAN no.	D	D1	F	Z	H	H1	W1	Holes for screws
726.602.075	5705499109023	75	160	Ø232	Ø275	165	132	253	0
726.602.110	5705499109047	110	160	Ø232	Ø275	165	113	156	0
726.603.110	5705499109061	110	260	Ø332	Ø375	183	131	206	0
726.603.160	5705499109085	160	260	Ø332	Ø375	183	115-158	341	0

Drains with outlet other than D=110mm come with adaptor.
Only for low filter basket together with water trap.
Industrial drains for vinyl floors are also available as adjustable. For more information contact BLÜCHER.

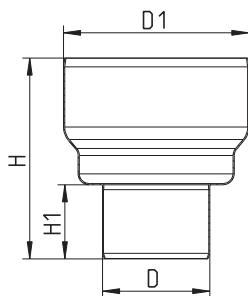
- without membrane flange

LOWER PART FOR INDUSTRIAL DRAIN TYPE 150



Type no.	EAN no.	D	D1	H	H1	D2
150.000.075	5705499107074	75	140	173	63	113
150.000.110	5705499107098	110	140	141	79	113

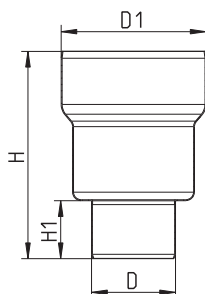
LOWER PART FOR INDUSTRIAL DRAIN TYPE 760.00



Type no.	EAN no.	D	D1	H	H1
760.002.075	5705499109269	75	190	195	65
760.002.110	5705499109283	110	190	206	76
760.003.110	5705499109306	110	291	251	76
760.003.160	5705499109320	160	291	270	95

Sealing ring included with the upper part.

LOWER PART FOR INDUSTRIAL DRAIN, HIGH MODEL TYPE 760.07

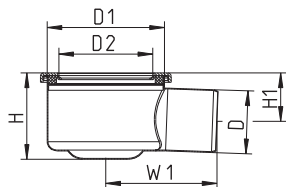


Type no.	EAN no.	D	D1	H	H1
760.072.075	5705499118742	75	190	266	65
760.072.110	5705499118766	110	190	277	76
760.073.110	5705499121940	110	291	299	76
760.073.160	5705499121957	160	291	318	95

Sealing ring included with the upper part

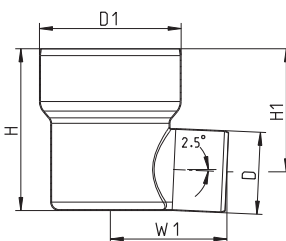
- without membrane flange

LOWER PART FOR INDUSTRIAL DRAIN TYPE 110



Type no.	EAN no.	D	D1	H	H1	W1	D2
110.000.075	5705499107036	75	140	103	58	133	113
110.000.075 S	5705499107043	75	140	103	58	133	113
110.000.110	5705499129403	110	140	124	71	143	113
110.000.110 S	5705499129410	110	140	124	71	143	113

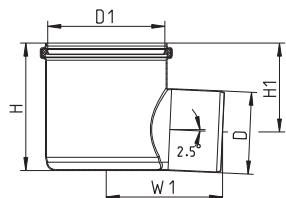
LOWER PART FOR INDUSTRIAL DRAIN TYPE 763.00



Type no.	EAN no.	D	D1	H	H1	W1
763.002.075	5705499109825	75	190	217	184	253
763.002.110	5705499109849	110	190	217	165	156
763.003.110	5705499109863	110	291	222	170	206
763.003.160	5705499109887	160	291	222	154-197	341

Sealing ring included with the upper part. Lower parts with outlet other than D=110mm come with adaptor.

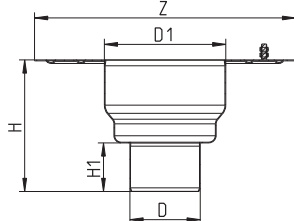
LOWER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 763.042



Type no.	EAN no.	D	D1	H	H1	W1
763.042.110	5705499131925	110	160	171	119	156

- with liquid membrane flange

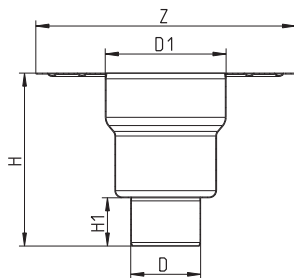
LOWER PART FOR INDUSTRIAL DRAIN TYPE 774.00



Type no.	EAN no.	D	D1	Z	H	H1
774.002.075	5705499111903	75	190	Ø409	195	65
774.002.110	5705499111927	110	190	Ø409	206	76
774.003.110	5705499111941	110	291	Ø507	251	76
774.003.160	5705499111965	160	291	Ø507	270	95

Sealing ring included with the upper part

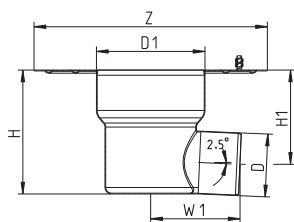
LOWER PART FOR INDUSTRIAL DRAIN, HIGH MODEL TYPE 774.07



Type no.	EAN no.	D	D1	Z	H	H1
774.072.075	5705499118780	75	190	Ø409	266	65
774.072.110	5705499118803	110	190	Ø409	277	76
774.073.110	5705499121926	110	291	Ø507	299	76
774.073.160	5705499121933	160	291	Ø507	318	95

Sealing ring included with the upper part

LOWER PART FOR INDUSTRIAL DRAIN TYPE 769.00

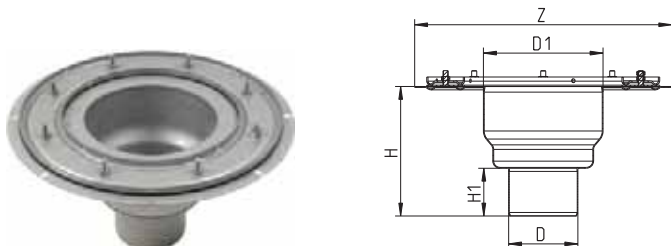


Type no.	EAN no.	D	D1	Z	H	H1	W1
769.002.075	5705499110869	75	190	Ø409	217	184	253
769.002.110	5705499110883	110	190	Ø409	217	165	156
769.003.110	5705499110906	110	291	Ø507	222	170	206
769.003.160	5705499110920	160	291	Ø507	222	154-197	341

Sealing ring included with the upper part. Lower parts with outlet other than D=110mm come with adaptor.

- with sheet membrane flange

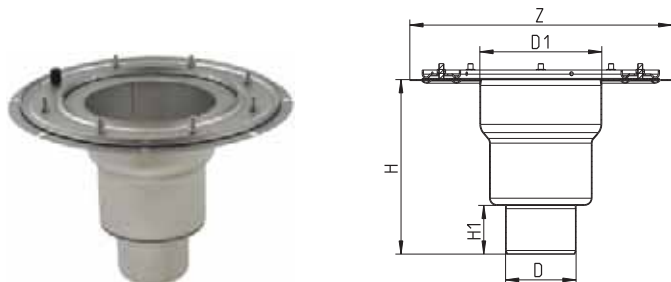
LOWER PART FOR INDUSTRIAL DRAIN TYPE 775.00



Type no.	EAN no.	D	D1	Z	H	H1
775.002.075	5705499112573	75	190	Ø409	195	65
775.002.110	5705499112597	110	190	Ø409	206	76
775.003.110	5705499112610	110	291	Ø507	251	76
775.003.160	5705499112634	160	291	Ø507	270	95

Sealing ring included with the upper part

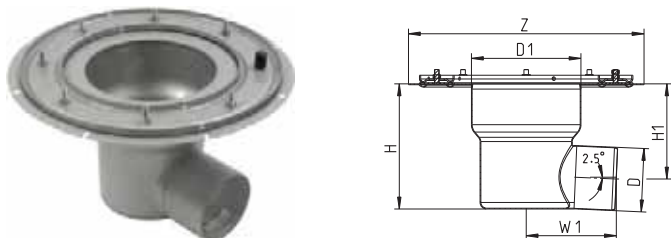
LOWER PART FOR INDUSTRIAL DRAIN, HIGH MODEL TYPE 775.07



Type no.	EAN no.	D	D1	Z	H	H1
775.072.075	5705499118827	75	190	Ø409	266	65
775.072.110	5705499118841	110	190	Ø409	277	76
775.073.110	5705499121902	110	291	Ø507	299	76
775.073.160	5705499121919	160	291	Ø507	318	95

Sealing ring included with the upper part

LOWER PART FOR INDUSTRIAL DRAIN TYPE 771.00

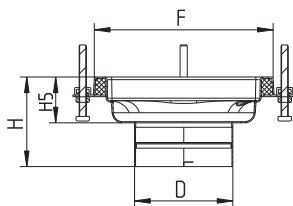


Type no.	EAN no.	D	D1	Z	H	H1	W1
771.002.075	5705499111224	75	190	Ø409	217	184	253
771.002.110	5705499111248	110	190	Ø409	217	165	156
771.003.110	5705499111262	110	291	Ø507	222	170	206
771.003.160	5705499111286	160	291	Ø507	222	154-197	341

Sealing ring included with the upper part. Lower parts with outlet other than D=110mm come with adaptor.

UPPER PART FOR INDUSTRIAL DRAIN TYPE 710.40

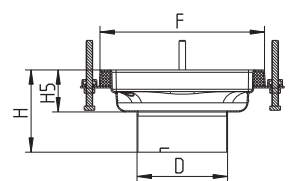
WITH SUPPORTING RING FOR WATER TRAP



Type no.	EAN no.	D	F	H	H5	Holes for screws
710.402.000	5705499108125	110	200x200	100	51	0
710.402.000.01	5705499108149	110	200x200	100	51	1
710.401.000	5705499128765	110	250x250	102	53	0
710.401.000.01	5705499128789	110	250x250	102	53	2
710.403.000	5705499108200	160	300x300	215	65	0
710.403.000.01	5705499108224	160	300x300	215	65	2

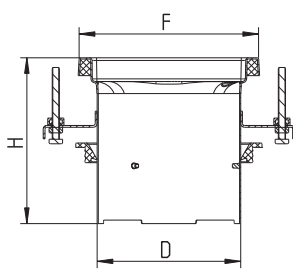
UPPER PART FOR INDUSTRIAL DRAIN TYPE 710.40

WITHOUT SUPPORTING RING



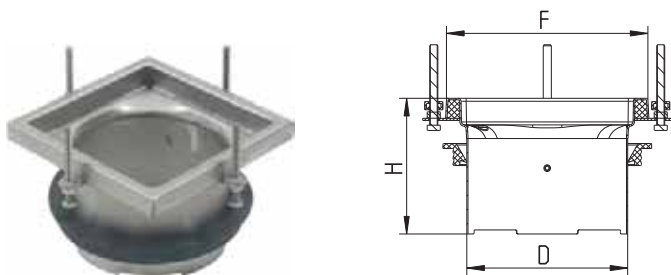
Type no.	EAN no.	D	F	H	H5	Holes for screws
710.402.001	5705499126945	110	200x200	100	51	0

UPPER PART FOR INDUSTRIAL DRAIN TYPE 774.40



Type no.	EAN no.	D	F	H	Holes for screws
774.402.000	5705499111989	160	200x200	185	0
774.402.000.01	5705499112009	160	200x200	185	1
774.401.000	5705499128802	160	250x250	187	0
774.401.000.01	5705499128826	160	250x250	187	2
774.403.000	5705499112115	260	300x300	183	0
774.403.000.01	5705499112139	260	300x300	183	2

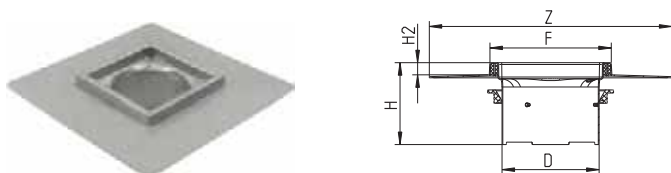
UPPER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 774.41



Type no.	EAN no.	D	F	H	Holes for screws
774.412.000	5705499112252	160	200x200	135	0
774.412.000.01	5705499115697	160	200x200	135	1
774.411.000	5705499128840	160	250x250	137	0
774.411.000.01	5705499128864	160	250x250	137	2
774.413.000	5705499112276	260	300x300	133	0
774.413.000.01	5705499115710	260	300x300	133	2

Only for low filter basket together with water trap

UPPER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 774.42

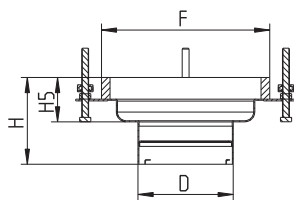


Type no.	EAN no.	D	F	Z	H	H2	Holes for screws
774.422.000	5705499112290	160	200x200	400x400	135	20	0
774.422.000.01	5705499115734	160	200x200	400x400	135	20	1
774.421.000	5705499128888	160	250x250	400x400	137	20	0
774.421.000.01	5705499128901	160	250x250	400x400	137	20	2
774.423.000	5705499112313	260	300x300	500x500	133	20	0
774.423.000.01	5705499115758	260	300x300	500x500	133	20	2

Only for low filter basket together with water trap

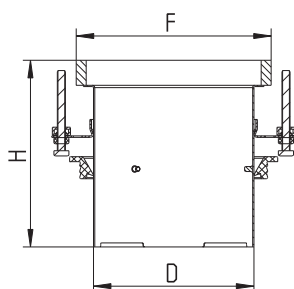
UPPER PART FOR INDUSTRIAL DRAIN TYPE 710.50

WITH SUPPORTING RING FOR WATER TRAP



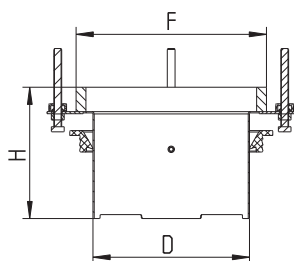
Type no.	EAN no.	D	F	H	H5
710.502.000	5705499108286	110	Ø195	100	51
710.503.000	5705499108347	160	Ø295	210	60

UPPER PART FOR INDUSTRIAL DRAIN TYPE 774.50



Type no.	EAN no.	D	F	H
774.502.000	5705499112337	160	Ø195	186
774.503.000	5705499112399	260	Ø295	184

UPPER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 774.51

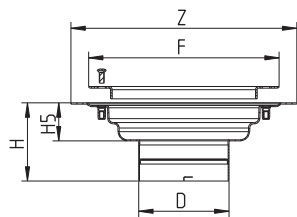


Type no.	EAN no.	D	F	H
774.512.000	5705499112450	160	Ø195	134
774.513.000	5705499112474	260	Ø295	133

Only for low filter basket together with water trap

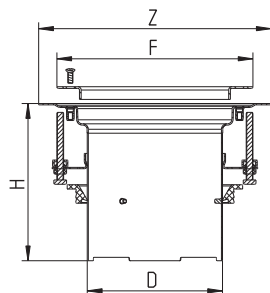
UPPER PART FOR INDUSTRIAL DRAIN TYPE 710.60

WITH SUPPORTING RING FOR WATER TRAP



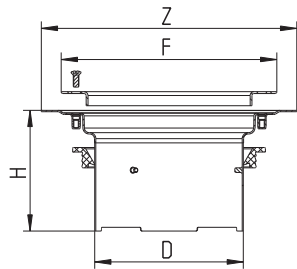
Type no.	EAN no.	D	F	Z	H	H5
710.602.000	5705499108408	110	Ø232	Ø275	95	46
710.603.000	5705499108460	160	Ø332	Ø375	210	60

UPPER PART FOR INDUSTRIAL DRAIN TYPE 774.60



Type no.	EAN no.	D	F	Z	H
774.602.000	5705499112498	160	Ø232	Ø275	186
774.603.000	5705499112511	260	Ø332	Ø375	183

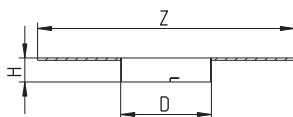
UPPER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 774.61



Type no.	EAN no.	D	F	Z	H
774.612.000	5705499112535	160	Ø232	Ø275	130
774.613.000	5705499112559	260	Ø332	Ø375	128

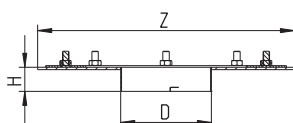
Only for low filter basket together with water trap

FLANGE FOR LOWER PART TYPE 326



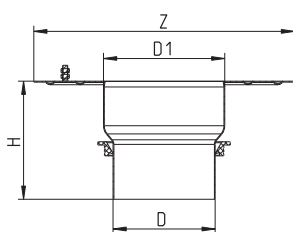
Type no.	EAN no.	D	Z	H
326.302.000	5705499107944	113	Ø320	30

MEMBRANE CLAMPING FLANGE FOR LOWER PART TYPE 325



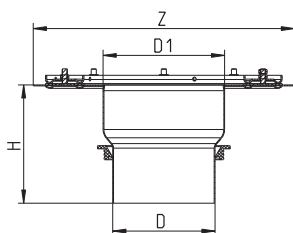
Type no.	EAN no.	D	Z	H
325.302.000	5705499107920	113	Ø320	30

INTERMEDIATE SECTION WITH MEMBRANE FLANGE TYPE 777



Type no.	EAN no.	D	D1	Z	H
777.002.000	5705499112931	160	190	Ø409	185
777.003.000	5705499112955	260	291	Ø507	183

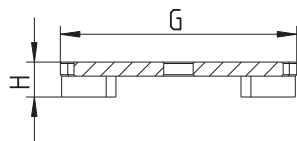
INTERMEDIATE SECTION WITH CLAMPING FLANGE TYPE 779



Type no.	EAN no.	D	D1	Z	H
779.002.000	5705499113136	160	190	Ø409	185
779.003.000	5705499113150	260	291	Ø507	183

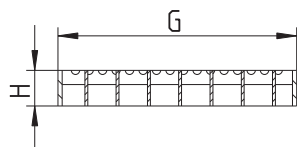
Gratings SQUARE

SLOT GRATING SQUARE



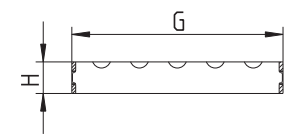
Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.10	5705499113440	170x170	25	L 5000 kg	R10	0
790.168.001.10	5705499113518	170x170	25	L 5000 kg	R10	1
790.218.000.10	5705499128710	220x220	25	L 4000 kg	R10	0
790.268.000.10	5705499113648	270x270	25	L 4000 kg	R10	0
790.268.001.10	5705499113709	270x270	25	L 4000 kg	R10	2

MESH GRATING SQUARE



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.22	5705499113464	168x168	25	L 1350 kg	R12	0
790.168.001.22	5705499113532	168x168	25	L 1350 kg	R12	1
790.218.000.22	5705499128680	218x218	25	L 1500 kg	R12	0
790.268.000.22	5705499113655	268x268	25	L 1600 kg	R12	0
790.268.001.22	5705499113723	268x268	25	L 1600 kg	R12	2

LADDER GRATING SQUARE

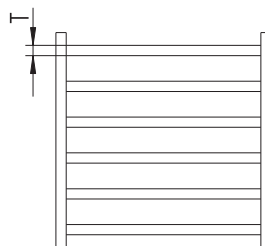
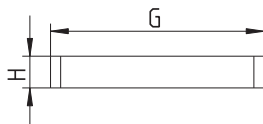


Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.25	5705499113488	168x168	25	L 6000 kg	R11	0
790.168.001.25	5705499113556	168x168	25	L 6000 kg	R11	1
790.218.000.25	5705499128703	218x218	25	L 4000 kg	R11	0
790.268.000.25	5705499113679	268x268	40	M 8400 kg	R11	0
790.268.001.25	5705499113747	268x268	40	M 8400 kg	R11	2

Gratings SQUARE

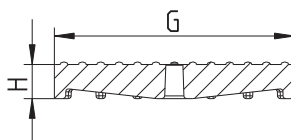
LADDER GRATING SQUARE

8 MM MATERIAL, FULLY WELDED



Type no.	EAN no.	G	H	T	EN1253	Non slip	Screws
790.168.000.28	5705499124163	168x168	25	8	M 15000kg	R11	0
790.218.000.28	5705499128604	218x218	25	8	M 8400 kg	R11	0
790.268.000.28	5705499128611	268x268	25	8	M 8400 kg	R11	0

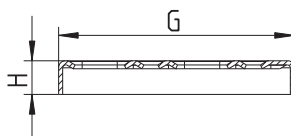
HYGIENIC-PRO GRATING SQUARE



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.60	5705499113495	170x170	24	L 4000 kg	R10	0
790.168.001.60	5705499113563	170x170	24	L 4000 kg	R10	1
790.218.000.60	5705499128338	220x220	24	L 4000 kg	R10	0
790.268.000.60	5705499113686	270x270	24	L 4000 kg	R10	0
790.268.001.60	5705499113761	270x270	24	L 4000 kg	R10	2

Only available in stainless steel grade AISI CF-8 corresponding to AISI 304C/EN1.4308

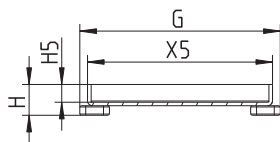
3MM GRATING SQUARE



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.03	5705499113433	168x168	24	L 1500 kg	R10	0
790.168.001.03	5705499113501	168x168	24	L 1500 kg	R10	1
790.218.000.03	5705499128697	218x218	24	L 1000 kg	R10	0
790.268.000.03	5705499113631	268x268	24	L 1500 kg	R10	0
790.268.001.03	5705499113693	268x268	24	L 1500 kg	R10	2

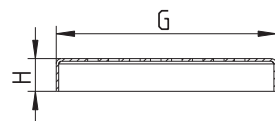
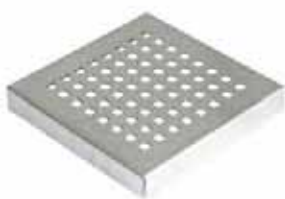
Gratings SQUARE

TILED/EPOXY GRATING SQUARE



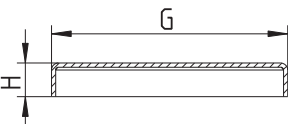
Type no.	EAN no.	G	H	H5	X5	EN1253	Screws
790.168.000.06	5705499128529	169x169	26	15	156	K 250 kg	0
790.218.000.06	5705499128536	219x219	26	15	206	K 250 kg	0
790.268.000.06	5705499128543	269x269	26	15	256	K 250 kg	0

SHOWER GRATING SQUARE



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.04	5705499128420	168x168	25	K 250 kg	R10	0
790.218.000.04	5705499128444	218x218	25	K 250 kg	R10	0
790.268.000.04	5705499128451	268x268	25	K 250 kg	R10	0

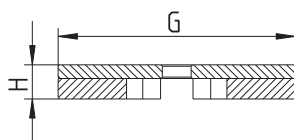
BLANK PLATE SQUARE



Type no.	EAN no.	G	H	EN1253	Screws
790.168.000.00	5705499121179	168x168	24	K 250 kg	0
790.168.001.00	5705499121193	168x168	24	K 250 kg	1
790.268.000.00	5705499121186	268x268	24	K 250 kg	0
790.268.001.00	5705499121209	268x268	24	K 250 kg	2

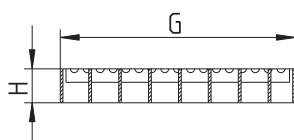
Gratings CIRCLE

SLOT GRATING CIRCLE



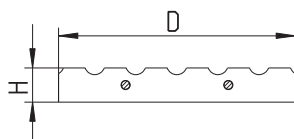
Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.10	5705499113587	Ø173	25	L 8000 kg	R10	0
790.273.000.10 S	5705499106862	Ø273	25	L 7000 kg	R10	0

MESH GRATING CIRCLE



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.22	5705499113600	Ø173	25	L 2000 kg	R12	0
790.273.000.22	5705499113792	Ø273	25	L 1000 kg	R12	0

LADDER GRATING CIRCLE

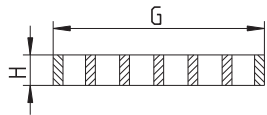


Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.25 S	5705499106831	Ø173	25	L 5000 kg	R11	0
790.273.000.25 S	5705499106879	Ø273	25	L 5000 kg	R11	0

Gratings CIRCLE

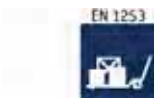
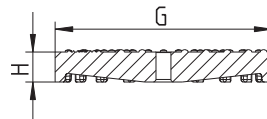
LADDER GRATING CIRCLE

8 MM MATERIAL, FULLY WELDED



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.28	5705499128628	Ø173	25	M 10000 kg	R11	0
790.273.000.28	5705499128635	Ø273	25	M 10000 kg	R11	0

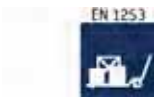
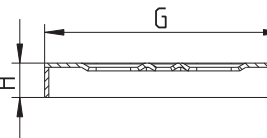
HYGIENIC-PRO GRATING CIRCLE



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.60	5705499128345	Ø173	24	L 7000 kg	R10	0
790.273.000.60	5705499128352	Ø273	24	L 5000 kg	R10	0

Only available in stainless steel grade AISI CF-8 corresponding to AISI 304C/EN1.4308

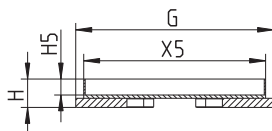
3MM GRATING CIRCLE



Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.03 S	5705499106817	Ø173	25	L 1500 kg	R10	0
790.273.000.03 S	5705499106855	Ø273	25	L 1000 kg	R10	0

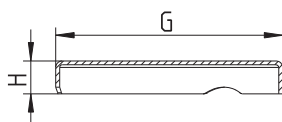
Gratings CIRCLE

TILED/EPOXY GRATING CIRCLE



Type no.	EAN no.	G	H	H5	X5	EN1253	Screws
790.173.000.06	5705499128550	Ø173	25	14	160	K 250 kg	0
790.273.000.06	5705499128567	Ø273	25	14	259	K 250 kg	0

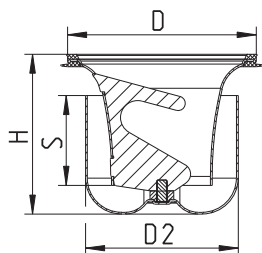
BLANK PLATE CIRCLE



Type no.	EAN no.	G	H	EN1253	Screws
790.173.000.00	5705499121216	Ø173	25	L 1500 kg	0
790.273.000.00	5705499121223	Ø273	25	L 1000 kg	0

Water traps

REMOVABLE TWO-PART WATER TRAP TYPE 502.050

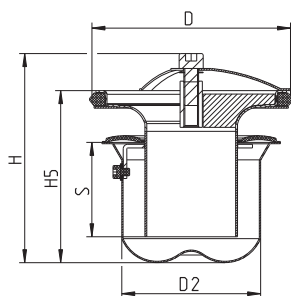


Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
502.050.110	5705499124064	108	89	50	85	1.7

Accurate flow rate depending on type of drain and grating.

REMOVABLE MULTI WATER TRAP TYPE 503

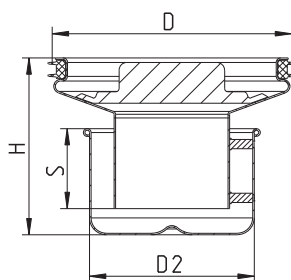
PREVENTS SMELL AND BACK FLOW



Type no.	EAN no.	D	H	H5	S	D2	Max Flow (l/s)
503.000.110	5705499118735	108	113	93	51	75	1.3

Accurate flow rate depending on type of drain and grating.

REMOVABLE WATER TRAP TYPE 562.00

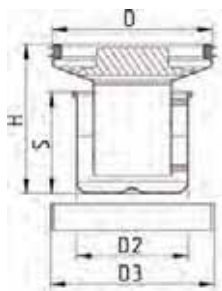


Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
562.002.000 S	5705499107968	157	115	52	107	3.3
562.003.000 S	5705499108033	257	128	52	197	7.8

Type 562.002 S fits into drains size 200x200 and type 562.003 S fits into drains size 300x300.
Accurate flow rate depending on type of drain and grating.

Water traps

REMOVABLE WATER TRAP TYPE 562.08

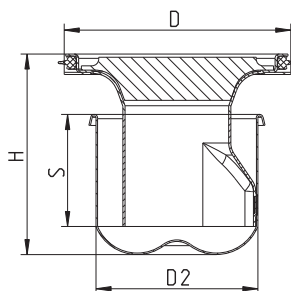


Type no.	EAN no.	D	H	S	D2	D3
562.082.000 S	5705499128475	153	143	97	157	107
562.083.000 S	5705499128482	252	156	102	256	197

Water seal height = 80mm

Fits into drains type 760.40, 763.40, 710.403, 713.403, 740.40 and 743.40 and is only used together with low filter basket .
Type 562.082 S fits into drains size 200x200, and type 562.083 S fits into drains size 300x300.

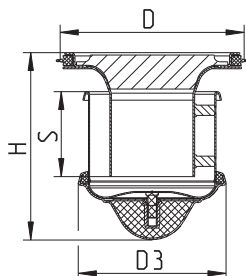
REMOVABLE WATER TRAP TYPE 502.052



Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
502.052.110	5705499105582	108	93	52	75	1.3

Accurate flow rate depending on type of drain and grating.

REMOVABLE WATER TRAP FIRE PROOF TYPE 502.052

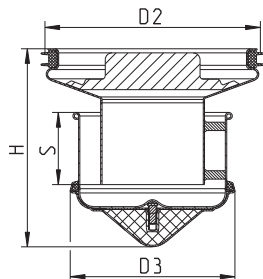


Type no.	EAN no.	D	H	S	D3	Max Flow (l/s)
502.052.110 FS	5705499120509	108	110	50	87	1.2

Accurate flow rate depending on type of drain and grating.

Water traps

REMOVABLE WATER TRAP FIRE PROOF TYPE 562.00

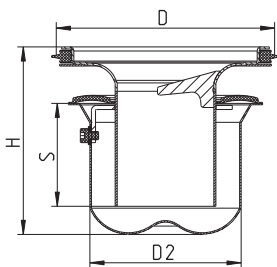


Type no.	EAN no.	H	S	D2	D3	Max Flow (l/s)
562.002.000 FS	5705499120516	143	52	157	119	3.3

Accurate flow rate depending on type of drain and grating.

REMOVABLE WATER TRAP TYPE 503.001

PREVENTS SMELL

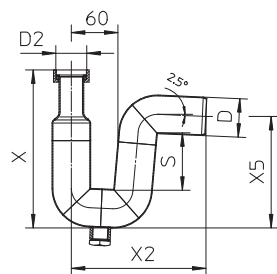


Type no.	EAN no.	D	H	S	D2	Max Flow (l/s)
503.001.110	5705499134728	108	93	51	75	1.3

Accurate flow rate depending on type of drain and grating.

P-TRAP 87.5° TYPE 525

WITH COUPLING AND DRAIN PLUG

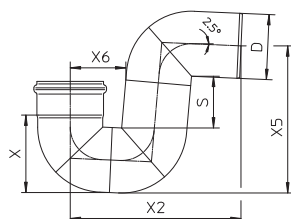


Type no.	EAN no.	D	S	D2	X	X2	X5
525.032.050 S	5705499114065	50	74	1 1/4	205	175	145
525.040.050 S	5705499114072	50	74	1 1/2	205	175	145
525.050.050 S	5705499114089	50	74	2	205	175	145

D2 Specified in inches ("). BSP thread.

Water traps

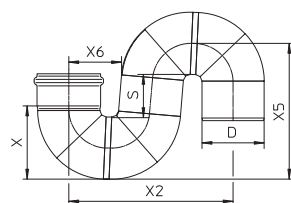
P-TRAP 87.5° TYPE 525.090



Type no.	EAN no.	D	S	X	X2	X5	X6	Max Flow (l/s)
525.090.075 S	5705499101478	75	81	93	222	189	74	2.5
525.090.110 S	5705499101485	110	89	132	289	249	94	3.4
525.090.160 S	5705499101492	160	105	187	388	338	121	7.5

Accurate flow rate depending on installation.

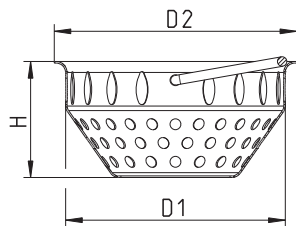
S-TRAP 180° TYPE 525.180



Type no.	EAN no.	D	S	X	X2	X5	X6
525.180.075 S	5705499114102	75	81	93	217	190	74
525.180.110 S	5705499114119	110	89	132	292	249	94
525.180.160 S	5705499114126	160	105	187	394	342	122

Others

FILTER BASKET TYPE 780

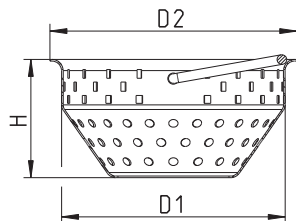


Type no.	EAN no.	D1	H	D2
780.002.000.05	5705499113358	140	74	155
780.003.000.05	5705499113402	238	75	253

If the drain is to be fitted with both filter basket and water trap, make sure that the height of the drain is sufficient.

FILTER BASKET TYPE 780

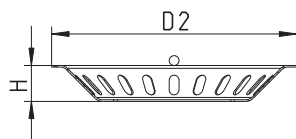
WITH 6 MM HOLES



Type no.	EAN no.	D1	H	D2
780.002.003.05	5705499119909	140	74	155
780.003.003.05	5705499119916	238	75	253

If the drain is to be fitted with both filter basket and water trap, make sure that the height of the drain is sufficient.

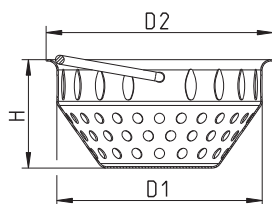
FILTER BASKET, LOW MODEL TYPE 780



Type no.	EAN no.	H	D2
780.002.001.05	5705499113372	22	150
780.003.001.05	5705499113426	16	249

Others

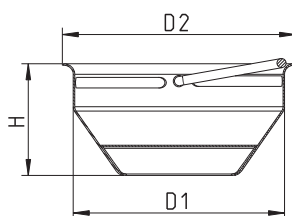
FILTER BASKET, WIHOUT BOTTOM SLOT TYPE 780



Type no.	EAN no.	D1	H	D2
780.002.004.05	5705499128499	140	74	155
780.003.004.05	5705499128505	238	75	253

If the drain is to be fitted with both filter basket and water trap, make sure that the height of the drain is sufficient.

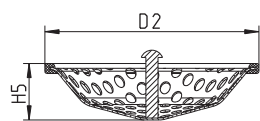
SAND BUCKET TYPE 780



Type no.	EAN no.	D1	H	D2
780.002.000.00	5705499113334	140	74	155
780.003.000.00	5705499113389	238	75	253

If the drain is to be fitted with both sand bucket and water trap, make sure that the height of the drain is sufficient.

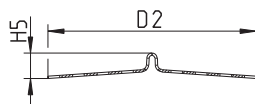
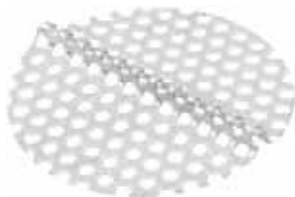
FILTER BASKET FOR REMOVABLE TWO-PART WATER TRAP



Type no.	EAN no.	H5	D2
502.000.000 S	5705499124101	24	106

Others

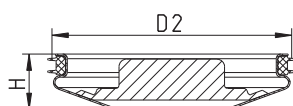
SCREEN FOR REMOVABLE WATER TRAP



Type no.	EAN no.	H5	D2
501.000.000.05 S	5705499114003	10	90

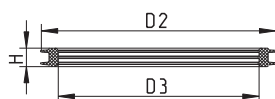
Fits trap type 502.052

PLUG FOR INDUSTRIAL DRAINS



Type no.	EAN no.	H	D2
700.000.004 S	5705499118575	36	157
700.000.005 S	5705499118582	41	256
620.300.019 S	5705499118568	23	108

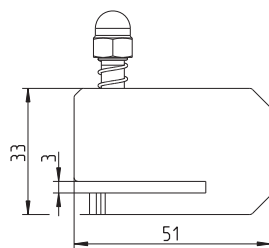
SEALING RING FOR WATER TRAP TYPE 562



Type no.	EAN no.	Designation	H	D2	D3
562.002.EPDM	5705499108002	Fits trap type no. 562.002.000	12	154	131
562.003.EPDM	5705499108071	Fits trap type no. 562.003.000	12	249	225

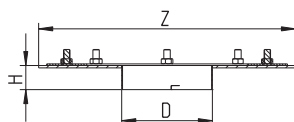
Others

VINYL HOLE PUNCHING TOOL



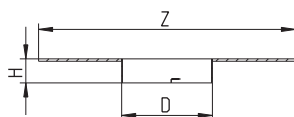
Type no.	EAN no.
001.200.002	5705499128239

MEMBRANE CLAMPING FLANGE FOR LOWER PART TYPE 325



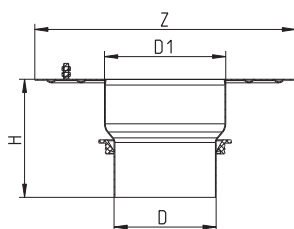
Type no.	EAN no.	D	Z	H
325.302.000	5705499107920	113	Ø320	30

FLANGE FOR LOWER PART TYPE 326



Type no.	EAN no.	D	Z	H
326.302.000	5705499107944	113	Ø320	30

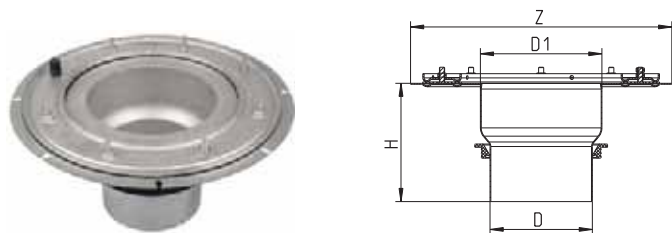
INTERMEDIATE SECTION WITH MEMBRANE FLANGE TYPE 777



Type no.	EAN no.	D	D1	Z	H
777.002.000	5705499112931	160	190	Ø409	185
777.003.000	5705499112955	260	291	Ø507	183

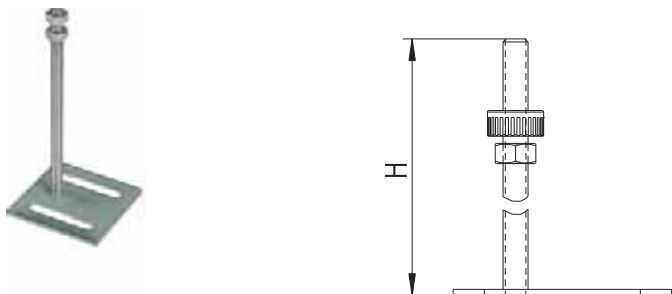
Others

INTERMEDIATE SECTION WITH CLAMPING FLANGE TYPE 779



Type no.	EAN no.	D	D1	Z	H
779.002.000	5705499113136	160	190	Ø409	185
779.003.000	5705499113150	260	291	Ø507	183

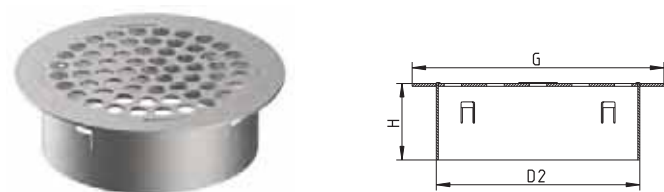
ADJUSTABLE LEGS



Type no.	EAN no.	H
670.000.001	5705499116243	150
670.000.005	5705499131741	300

OUTLET FILTER

FOR DRAINS WITH VERTICAL OUTLET

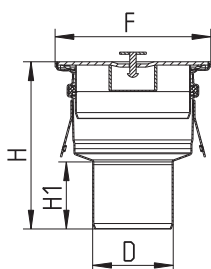


Type no.	EAN no.	G	H	D2
780.400.075.05	5705499135305	Ø95	40	70
780.400.110.05	5705499135251	Ø130	40	105
780.400.160.05	5705499135480	Ø180	40	155

without membrane

RODDING EYE TYPE 144

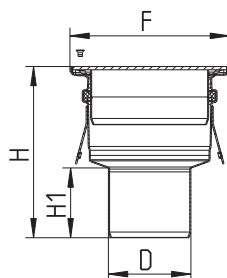
WITH PULL NIPPLE



Type no.	EAN no.	D	F	H	H1
144.150.075 S	5705499408492	75	145x145	156	63
144.150.110 S	5705499408508	110	145x145	120	-
144.200.160 S	5705499408546	160	200x200	159	-

RODDING EYE WITH SCREW LOCK TYPE 144

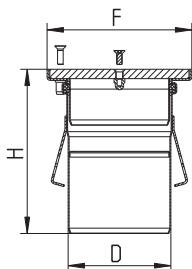
FOR VACUUM HANDLE



Type no.	EAN no.	D	F	H	H1
144.155.075 S	5705499408515	75	145x145	156	63
144.155.110	5705499134988	110	145x145	120	-
144.155.110 S	5705499408522	110	145x145	120	-
144.205.160 S	5705499408553	160	200x200	159	-

RODDING EYE WITH SCREW LOCK TYPE 144

10 MM PLATE, FOR VACUUM HANDLE OR LIFTING SCREW

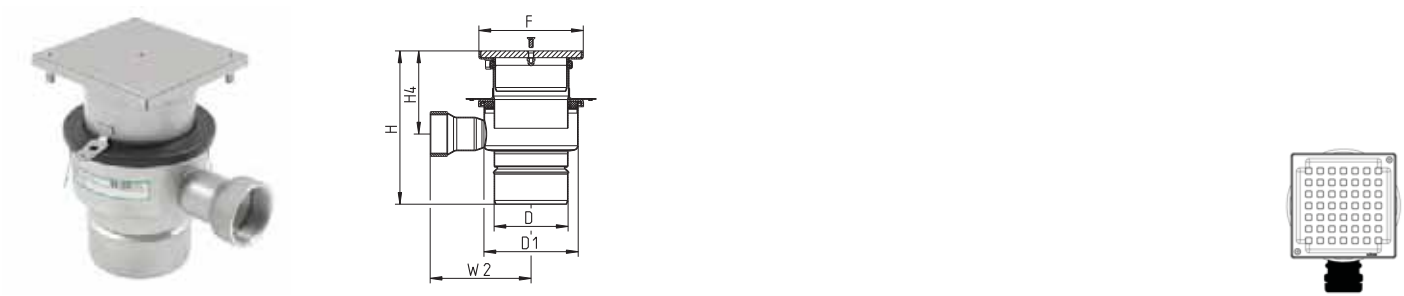


Type no.	EAN no.	D	F	H
144.155.110.10 S	5705499408539	110	155x155	176
144.205.160.10 S	5705499412284	160	200x200	160

without membrane

RODDING EYE WITH SCREW LOCK TYPE 145

WITH SIDE INLET AND 10 MM PLATE, FOR VACUUM HANDLE OR LIFTING SCREW



Type no.	EAN no.	D	D1	F	H	H4	W2
145.155.110.10 S	5705499123876	110	140	155x155	228-248	124-144	150

Side inlet with 2" BSP thread.

GASTIGHT INDUSTRIAL DRAIN TYPE 760

FOR VACUUM HANDLE



Type no.	EAN no.	D	D1	F	G	H	H1
760.452.110 S	5705499123890	110	160	200x200	Ø166	275	76

GASTIGHT INDUSTRIAL DRAIN TYPE 760

FOR THREADED KEY

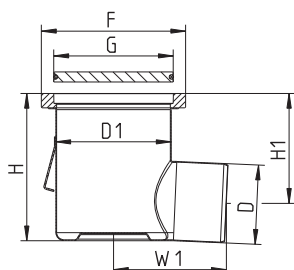


Type no.	EAN no.	D	D1	F	G	H	H1
760.462.110 S	5705499127386	110	160	200x200	Ø166	275	76

without membrane

GASTIGHT INDUSTRIAL DRAIN TYPE 763

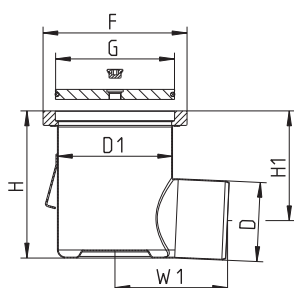
FOR VACUUM HANDLE



Type no.	EAN no.	D	D1	F	G	H	H1	W1
763.452.110 S	5705499127362	110	160	200x200	Ø166	204	152	156

GASTIGHT INDUSTRIAL DRAIN TYPE 763

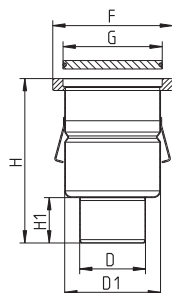
FOR THREADED KEY



Type no.	EAN no.	D	D1	F	G	H	H1	W1
763.462.110 S	5705499127393	110	160	200x200	Ø166	204	152	156

GASTIGHT INDUSTRIAL DRAIN TYPE 760

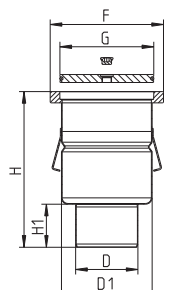
FOR VACUUM HANDLE



Type no.	EAN no.	D	D1	F	G	H	H1
760.552.110 S	5705499126686	110	160	Ø200	Ø166	275	76

GASTIGHT INDUSTRIAL DRAIN TYPE 760

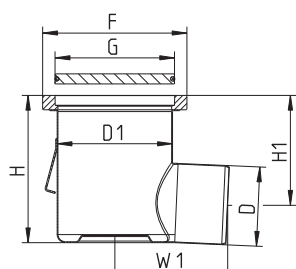
FOR THREADED KEY



Type no.	EAN no.	D	D1	F	G	H	H1
760.562.110 S	5705499127379	110	160	Ø200	Ø166	275	76

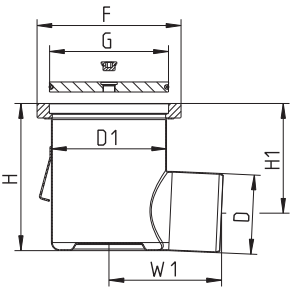
GASTIGHT INDUSTRIAL DRAIN TYPE 763

FOR VACUUM HANDLE



Type no.	EAN no.	D	D1	F	G	H	H1	W1
763.552.110 S	5705499123913	110	160	Ø200	Ø166	204	152	156

GASTIGHT INDUSTRIAL DRAIN TYPE 763
FOR THREADED KEY

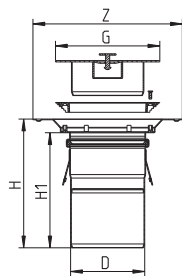


Type no.	EAN no.	D	D1	F	G	H	H1	W1
763.562.110 S	5705499127409	110	160	Ø200	Ø166	204	152	156

All dimensions in mm - Stainless Steel grade AISI 316L specify type no. with suffix S

RODDING EYE TYPE 244

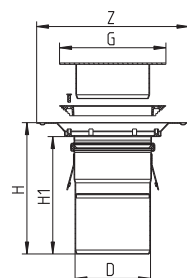
WITH PULL NIPPLE



Type no.	EAN no.	D	Z	G	H	H1
244.150.110 S	5705499113921	110	Ø222	Ø155	192	171

RODDING EYE WITH SCREW LOCK TYPE 244

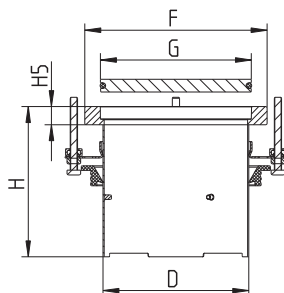
FOR VACUUM HANDLE



Type no.	EAN no.	D	Z	G	H	H1
244.155.110 S	5705499113938	110	Ø222	Ø155	192	171

UPPER PART FOR GASTIGHT DRAIN TYPE 774.4

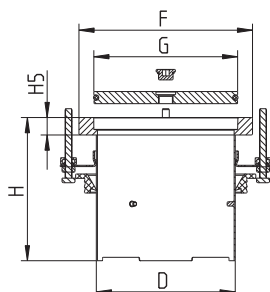
FOR VACUUM HANDLE



Type no.	EAN no.	D	F	G	H	H5
774.451.000 S	5705499115772	110	150x150	Ø115	64	20
774.452.000 S	5705499115789	160	200x200	Ø166	165	20

UPPER PART FOR GASTIGHT DRAIN TYPE 774.4

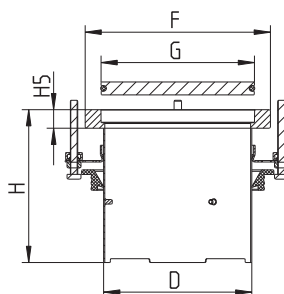
FOR THREADED KEY



Type no.	EAN no.	D	F	G	H	H5
774.461.000 S	5705499115796	110	150x150	Ø115	64	20
774.462.000 S	5705499115802	160	200x200	Ø166	165	20

UPPER PART FOR GASTIGHT DRAIN TYPE 774.5

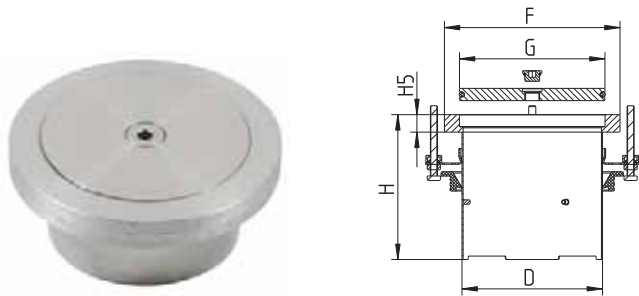
FOR VACUUM HANDLE



Type no.	EAN no.	D	F	G	H	H5
774.551.000 S	5705499115819	110	Ø150	Ø115	64	20
774.552.000 S	5705499115826	160	Ø200	Ø166	165	20

UPPER PART FOR GASTIGHT DRAIN TYPE 774.5

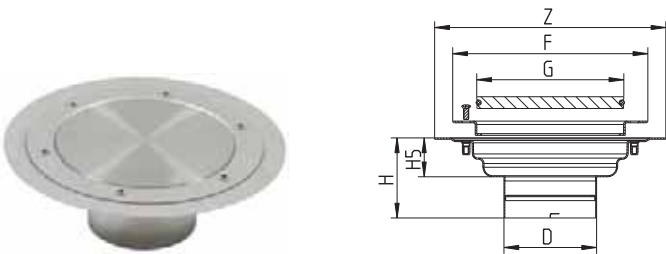
FOR THREADED KEY



Type no.	EAN no.	D	F	G	H	H5
774.561.000 S	5705499115833	110	Ø150	Ø115	64	20
774.562.000 S	5705499115840	160	Ø200	Ø166	165	20

UPPER PART FOR GASTIGHT DRAIN TYPE 774.6

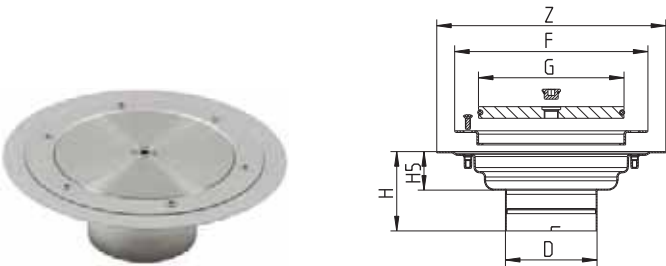
FOR VACUUM HANDLE, FOR VINYL



Type no.	EAN no.	D	F	Z	G	H	H5
774.651.000 S	5705499124026	110	Ø232	Ø275	Ø175	95	46

UPPER PART FOR GASTIGHT DRAIN TYPE 774.6

FOR THREADED KEY, FOR VINYL



Type no.	EAN no.	D	F	Z	G	H	H5
774.661.000 S	5705499124040	110	Ø232	Ø275	Ø175	85	46

THREADED KEY FOR GASTIGHT COVER



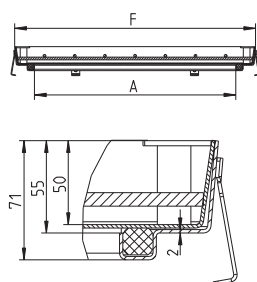
Type no.	EAN no.
700.000.001	5705499115567

VACUUM HANDLE FOR RODDING EYE AND GASTIGHT COVER



Type no.	EAN no.	D
700.000.002	5705499115574	110
700.000.003	5705499115581	160

ACCESS COVER TYPE 792

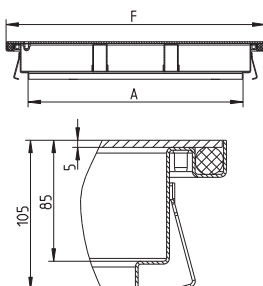


Type no.	EAN no.	Name	F	A	EN124
792.030.030	5705499127508	300x300	418x418	300	B 12500 kg
792.040.040	5705499127515	400x400	518x518	400	B 12500 kg
792.060.060	5705499127522	600x600	718x718	600	B 12500 kg
792.080.080	5705499127539	800x800	918x918	800	B 12500 kg
792.100.100	5705499127546	1000x1000	1118x1118	1000	B 12500 kg

Use of concrete C35/C45 guarantees the load class (EN124) above.

ACCESS COVER TYPE 793

WITH TEAR PLATE



Type no.	EAN no.	Name	F	A	EN124
793.030.030	5705499131659	300x300	428x428	304	B 12500 kg
793.040.040	5705499131666	400x400	528x528	404	B 12500 kg
793.060.060	5705499131673	600x600	728x728	604	B 12500 kg
793.080.080	5705499131680	800x800	928x928	804	B 12500 kg
793.100.100	5705499131697	1000x1000	1128x1128	1004	B 12500 kg

HANDLE FOR ACCESS COVER



Type no.	EAN no.
700.000.006	5705499127621

UPPER PART FOR OUTDOOR DRAIN TYPE 710



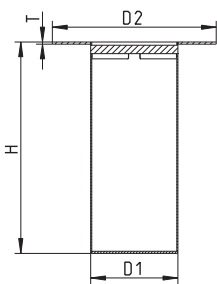
Type no.	EAN no.	D	F	H	H5
710.472.000.01 S	5705499127775	110	200x200	400	51

UPPER PART FOR OUTDOOR DRAIN TYPE 774



Type no.	EAN no.	D	F	H	H5
774.472.000.01 S	5705499127782	160	200x200	400	40

SAND BUCKET



Type no.	EAN no.	D1	H	D2	T
780.002.005.00	5705499134544	82	200	155	2
780.003.005.00	5705499134551	125	200	155	2

All dimensions in mm - Stainless Steel grade AISI 316L specify type no. with suffix S

Channels and kitchen channels for commercial and industrial applications



Standard or customised solutions
Hygienic design
Gratings for any purpose and load class

Applications

For concrete, tiled, vinyl and epoxy flooring in:

- Industrial areas
- Commercial kitchens

Details

- Standard lengths 1 - 6 m (slot channels up to 12 m)
- Longitudinal and cross fall
- Several standard widths
- 2 mm material thickness (vinyl channels 1,5 mm)
- 20 mm frame width
- Anchor tangs
- Gratings for weight loads from 250 to 12000 kg
- Combinable with BLÜCHER® Drain Industrial accessories
- Stainless steel AISI304/EN 1.4301

Variants

- Outlet placed in end or center
- With or without outlet box
- With or without membrane flange

Options

- Removable water trap or P-trap
- Filter basket and sand bucket

Extras

- Reinforced frames for extra strong weight loads
- Stabiliser angle and adjustable legs
- Protective strip and grating lock device

Specialised in customised channels

Product database at www.blucher.com

Standard channel range or custom solutions

Standard channel range

The BLÜCHER® standard channel range comprises drainage channels for all common applications and for all common floor types, i.e. for concrete/tiled/resin floors or for vinyl floors.

Selecting a channel from the standard range is easy:
Use the tables to identify type number for the channel to be selected. Then select grating, lower part and accessories, using the diagrams.

Most standard channels can be supplied from stock with short lead times.

Options and extras

Stabiliser angles, adjustable legs, edge infill, etc. are among the options available for the standard channel range.

Custom solutions

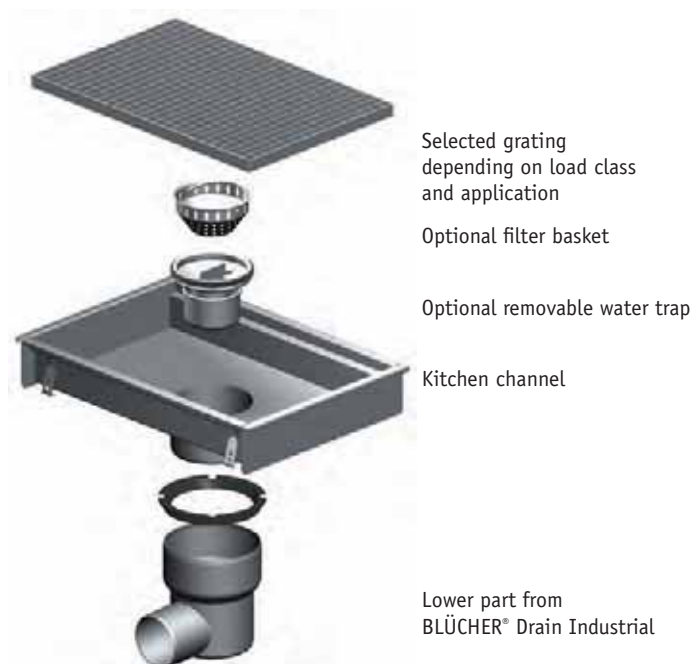
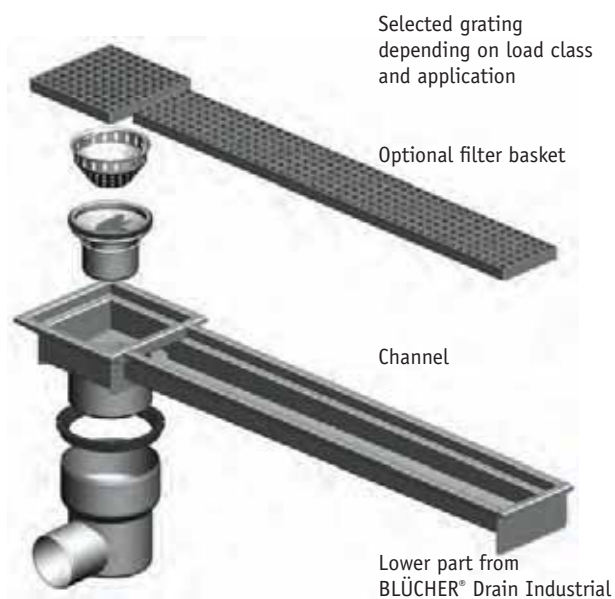
In addition to the BLÜCHER® standard channel range, BLÜCHER also offers purpose-made channels on request to ensure that all drainage requirements can be satisfied.

We manufacture channels in special widths, lengths, shapes, etc. or in stainless steel grade AISI 316L/EN 1.4404 for demanding environments.

Our drainage know-how enables us to provide extensive engineering assistance - please contact our sales department.



Complete channels and kitchen channels



Complete channels and kitchen channels

Channels or kitchen channels

Channel or kitchen channel without grating

Gratings

Range of gratings for all load classes.

Accessories

Accessories such as filter basket, sand bucket and water trap are not included - to be ordered separately

Lower part

Lower part with outlet is not included - to be ordered separately.

Channel range overview

Type 670

Channel for concrete, tiled and resin floors

Width: 150, 200, 300 or 400 mm grate location
 Length: 1 - 6 metres grate location
 Typical application: Shower areas, kitchens, food and beverage production, chemical plants, abattoirs



Type 671

Channel with outlet box for concrete, tiled and resin floors

Width: 150 mm grate location
 Length: 1 - 6 metres grate location
 Typical application: Kitchens, food and beverage production, chemical plants, abattoirs



Type 673

20 mm slot channel with outlet box for concrete, tiled and resin floors

Width: 20 mm aperture
 Length: 1 - 12 metres grate location
 Grating: For outlet box only
 Typical application: Food and beverage production, chemical plants, breakwaters, abattoirs



Type 674

Channel with 50 mm liquid membrane flange for concrete, tiled and resin floors

Width: 150, 200, 300 or 400 mm grate location
 Length: 1 - 6 metres grate location
 Typical application: Shower areas, kitchens, food and beverage production, chemical plants, abattoirs, dairies



Type 677

8 mm slot channel with 50 mm liquid membrane flange for concrete, tiled and resin floors

Width: 8 mm aperture
 Length: 1 - 3 metres grate location
 Typical application: Shower areas, swimming pools, breakwaters



Type 672

Channel for vinyl floors

Width: 150, 200, 300 or 400 mm grate location
 Length: 1 - 6 metres grate location
 Typical application: Shower areas, kitchens



All channels are available with vertical center or end outlet except for type 677 which is available only with horizontal end outlet.

Kitchen channel range overview

Type 660

Width (grate location):
Length (grate location):
Typical applications:

Kitchen channel for concrete, tiled and resin floors
200, 250, 300, 400 or 500 mm
200, 250, 300, 400, 500, 800 or 1000 mm
Kitchens, food and beverage production, chemical plants, abattoirs



Type 664

Width (grate location):
Length (grate location):
Typical applications:

Kitchen channel with 50 mm liquid membrane flange for concrete, tiled and resin floors
200, 250, 300, 400 or 500 mm
200, 250, 300, 400, 500, 800 or 1000 mm
Kitchens, food and beverage production, chemical plants, abattoirs, dairies



Type 662

Width (grate location):
Length (grate location):
Typical applications:
Diameter (grate location):

Kitchen channel for vinyl floors
400 or 500 mm
400, 500, 800 or 1000 mm
Kitchens
OD200 or OD300 mm

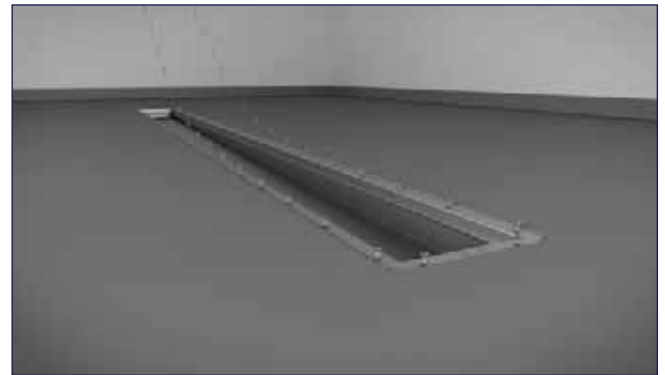


Installation examples

Concrete and tiles without membrane



Vinyl



Mounting bracket for precise height adjustment



Installation videos available at www.blucher.com

Channel type numbers

6XX AA XXX-XX A A S

Example: 670CH010-00BA S (670 CH 010-00 B A S)

Material grade

(blank) Stainless steel AISI 304
S Stainless steel AISI 316L

Option

A None
B Edge infill
C Protective strip on frame
D Edge infill and protective strip on frame

Variant

A Stabiliser angle
B Anchor tangs

Outlet position

00 End
05 Center in 1 m channel
++ Etc. - outlet always placed in end or center

Length

010 Etc. - Channel length, e.g. 010 = 1 m, 060 = 6 m

Outlet dimension

H Ø110 mm (DN 100)
K Ø160 mm (DN 150)
N Ø50 mm

Width

A Slot channel
C 150 mm
D 200 mm
E 300 mm
F 400 mm

Type

670 Channel without outlet box for concrete, tiled and resin floors
671 Channel with outlet box for concrete, tiled and resin floors
672 Channel without outlet box for vinyl floors
673 20 mm slot channel with outlet box for concrete, tiled and resin floors
674 Channel without outlet box, with 50 mm liquid membrane flange, for concrete, tiled and resin floors
677 8 mm slot channel without outlet box, with 50 mm liquid membrane flange, for concrete, tiled and resin floors

Kitchen channel type numbers

XXX AA XXX-XX S Example: 660FK008-11 (660 F K 008-11)

Material grade

(blank) Stainless steel AISI 304
S Stainless steel AISI 316L

Height

00 Industrial upper part
06 60 mm
11 110 mm
15 150 mm

Length

001 250 mm (250x250 mm upper part)
002 200 mm (200x200 mm upper part)
003 300 mm (300x300 mm upper part)
004 400 mm
005 500 mm
006 600 mm
008 800 mm
100 1000 mm

Outlet dimension

H Ø110 mm
K Ø160 mm

Width

C 250 (250x250 mm upper part)
D 200 (200x200 mm upper part)
E 300 (300x300 mm upper part)
F 400
G 500

Type

660 Kitchen channel for concrete, tiled and resin floor
662 Kitchen channel for vinyl floors
664 Kitchen channel, with 50 mm liquid membrane flange, for concrete, tiled and resin floor

Roof drainage Made to last



BLÜCHER® Drain Roof and BLÜCHER® EuroPipe

BLÜCHER offers a stainless steel roof drainage system suitable for:

- Flat roofs of all designs
- Downpipes from roofs of all designs
- Roofs with bitumen or single ply roof membrane
- Equally suitable for gravity and siphonic systems

BLÜCHER® roof drainage system comprises strong products which are capable of resisting impacts, corrosion as well as fire and require minimal maintenance.

Gravity roof drainage is used in traditional newbuild or refurbishment projects.

Siphonic roof drainage creates a flow rate approximately 3 - 5 times higher than in a gravity system.

This means that a larger roof area can be drained by fewer roof drains connected to one pipe string in smaller diameter than that required for the gravity system.

It is BLÜCHER's mission to provide a high-quality roof drainage system with roof drains easily connected to the BLÜCHER® EuroPipe pipework system, offering the customer a safe roof drainage system that minimizes installation time and ensures high performance as regards

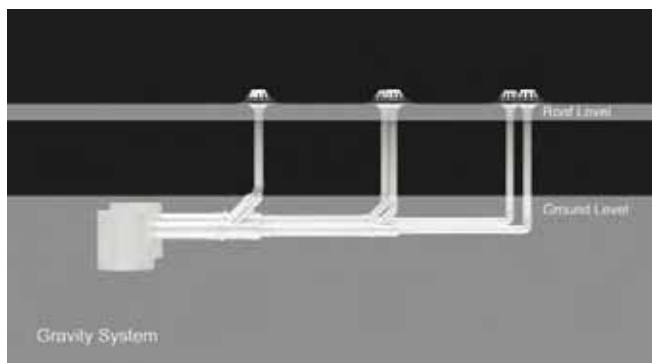
- High flow capacity
- Ease of installation
- Non-combustibility
- Long product life

Gravity and siphonic roof drainage systems

BLÜCHER® gravity roof drainage



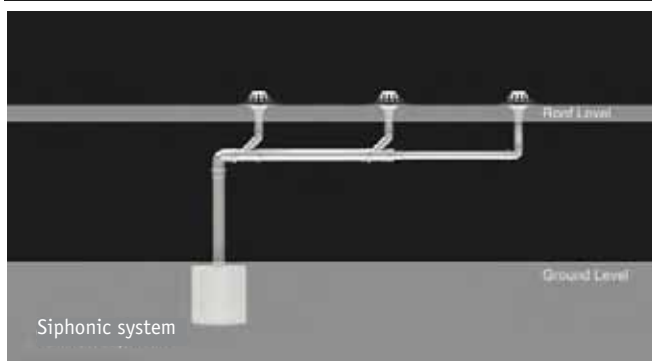
Traditional gravity system with drains spread over the roof area and water led from the roof through downpipes to a below-ground pipework system



BLÜCHER® siphonic roof drainage



Siphonic system with fewer drains and a small-diameter horizontal pipework system underneath the ceiling. More water is transported through the pipework due to faster flow and a filled pipework system, reducing if not completely removing below-ground drainage.



BLÜCHER® Drain Roof Siphonic drains and gravity drains

BLÜCHER® Drain Roof - siphonic



Owing to the siphonic plate of the drain, the pipe is quickly 100% filled, keeping air out of the system and allowing full bore discharge to induce a siphonic action resulting in higher velocities and greater discharge.

BLÜCHER® Drain Roof - gravity



Traditional gravity drainage system with pipes filled max. 33%.

Both types of drains are available for roofs with bitumen or roofs with single ply roof membrane, shown above are drains for roofs with single ply roof membrane.

Installation examples



Easy and simple installation in single ply roof membrane provides high strength and a secure solution.



Roof drains for bitumen have a wide collar for secure fixing to the bitumen.

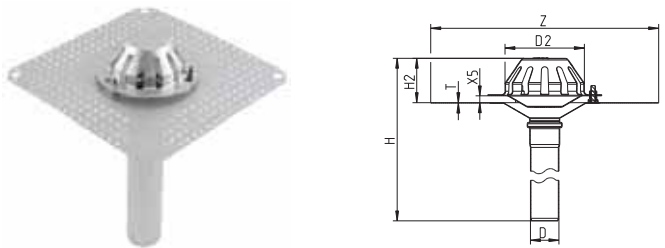
2-part roof drain

2-part roof drains can easily be installed on the roof. Use a standard roof drain in combination with a separate lower part matching the membrane type of the roof.



for siphonic

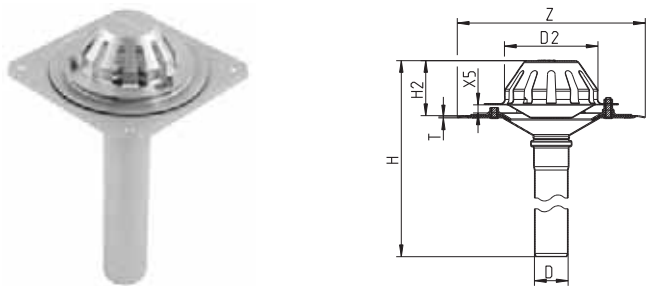
ROOF DRAIN TYPE 401.20
WITH FLANGE FOR BITUMEN



Type no.	EAN no.	D	Z	H	H2	D2	X5	T
401.204.040	5705499132823	40	400x400	496	78	140	12	1
401.204.050	5705499132830	50	400x400	496	78	140	12	1
401.204.075	5705499132847	75	400x400	496	78	140	12	1

Flow rate in accordance with "Flow rates for roof drains"

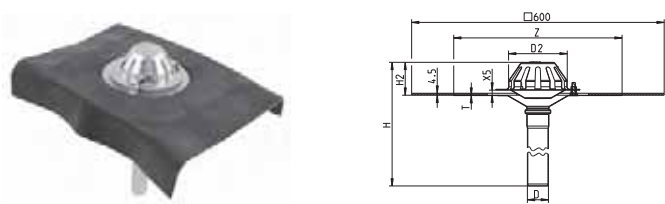
ROOF DRAIN TYPE 402.20
WITH CLAMPING FLANGE FOR SINGLE PLY MEMBRANE



Type no.	EAN no.	D	Z	H	H2	D2	X5	T
402.204.040	5705499132854	40	280x280	502	82	140	12	2
402.204.050	5705499132861	50	280x280	502	82	140	12	2
402.204.075	5705499132878	75	280x280	502	82	140	12	2
402.206.040	5705499132885	40	280x280	702	82	140	12	2
402.206.050	5705499132892	50	280x280	702	82	140	12	2
402.206.075	5705499132908	75	280x280	702	82	140	12	2

Flow rate in accordance with "Flow rates for roof drains"

ROOF DRAIN TYPE 403.20
WITH FLANGE FOR BITUMEN AND PRE-MOUNTED BITUMEN COLLAR



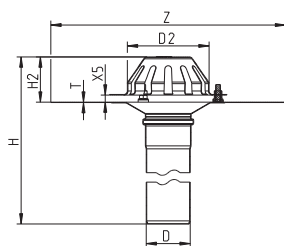
Type no.	EAN no.	D	Z	H	H2	D2	X5	T
403.204.040	5705499133172	40	400x400	496	78	140	12	1
403.204.050	5705499133189	50	400x400	496	78	140	12	1
403.204.075	5705499133196	75	400x400	496	78	140	12	1

Flow rate in accordance with "Flow rates for roof drains"

for gravity

ROOF DRAIN TYPE 401.10

WITH FLANGE FOR BITUMEN

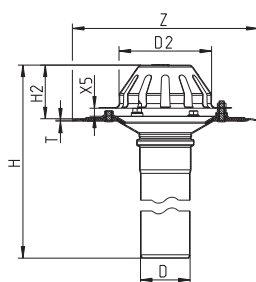


Type no.	EAN no.	D	Z	H	H2	D2	X5	T
401.104.050	5705499132731	50	400x400	495	77	140	12	1
401.104.075	5705499132748	75	400x400	495	77	140	12	1
401.104.110	5705499132755	110	400x400	495	77	140	12	1

Flow rate in accordance with "Flow rates for roof drains"

ROOF DRAIN TYPE 402.10

WITH CLAMPING FLANGE FOR SINGLE PLY MEMBRANE

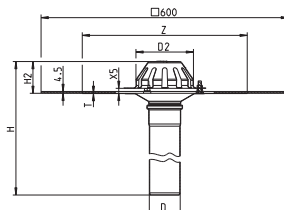


Type no.	EAN no.	D	Z	H	H2	D2	X5	T
402.104.050	5705499132762	50	280x280	501	81	140	12	2
402.104.075	5705499132779	75	280x280	501	81	140	12	2
402.104.110	5705499132786	110	280x280	501	81	140	12	2
402.106.050	5705499132793	50	280x280	701	81	140	12	2
402.106.075	5705499132809	75	280x280	701	81	140	12	2
402.106.110	5705499132816	110	280x280	701	81	140	12	2

Flow rate in accordance with "Flow rates for roof drains"

ROOF DRAIN TYPE 403.10

WITH FLANGE FOR BITUMEN AND PRE-MOUNTED BITUMEN COLLAR



Type no.	EAN no.	D	Z	H	H2	D2	X5	T
403.104.050	5705499133141	50	400x400	495	77	140	12	1
403.104.075	5705499133158	75	400x400	495	77	140	12	1
403.104.110	5705499133165	110	400x400	495	77	140	12	1
403.106.050	5705499133394	50	400x400	695	77	140	12	1

Continues on next page

for gravity

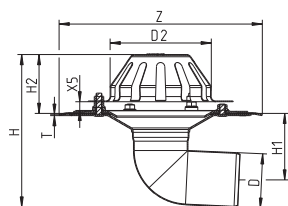
ROOF DRAIN TYPE 403.10

Type no.	EAN no.	D	Z	H	H2	D2	X5	T
Continued from previous page								
403.106.075	5705499133400	75	400x400	695	77	140	12	1
403.106.110	5705499133417	110	400x400	695	77	140	12	1

Flow rate in accordance with "Flow rates for roof drains"

ROOF DRAIN TYPE 402.100

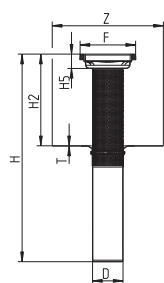
WITH CLAMPING FLANGE FOR SINGLE PLY MEMBRANE



Type no.	EAN no.	D	Z	H	H1	H2	D2	X5	T
402.100.050	5705499133363	50	280x280	186	80	81	140	12	2
402.100.075	5705499133370	75	280x280	210	92	81	140	12	2
402.100.110	5705499133387	110	280x280	234	99	81	140	12	2

ROOF DRAIN TYPE 401.170

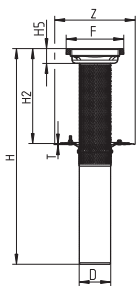
WITH FLANGE FOR BITUMEN



Type no.	EAN no.	D	F	Z	H	H2	H5	T
401.170.110	5705499134872	110	200x200	400x400	748	330	51	1
401.170.160	5705499134889	160	200x200	400x400	748	330	40	2

for gravity

ROOF DRAIN TYPE 402.170
WITH CLAMPING FLANGE FOR SINGLE PLY MEMBRANE

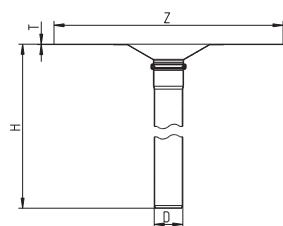


Type no.	EAN no.	D	F	Z	H	H2	H5	T
402.170.110	5705499134896	110	200x200	280x280	750	330	51	2

All dimensions in mm - Stainless Steel grade AISI 316L specify type no. with suffix S

LOWER PART FOR ROOF DRAIN TYPE 401.00

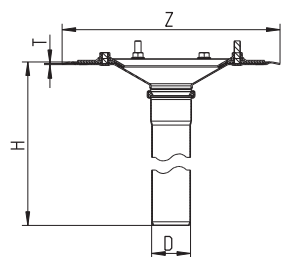
WITH FLANGE FOR BITUMEN



Type no.	EAN no.	D	Z	H	T
401.004.040	5705499132915	40	400x400	418	1
401.004.050	5705499132922	50	400x400	418	1
401.004.075	5705499132939	75	400x400	418	1
401.004.110	5705499132946	110	400x400	418	1
401.004.160	5705499134513	160	400x400	418	2

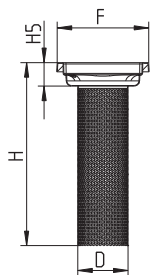
LOWER PART FOR ROOF DRAIN TYPE 402.00

WITH CLAMPING FLANGE FOR SINGLE PLY MEMBRANE



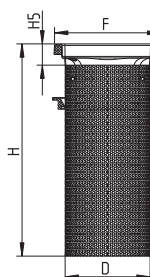
Type no.	EAN no.	D	Z	H	T
402.004.040	5705499132953	40	280x280	420	2
402.004.050	5705499132960	50	280x280	420	2
402.004.075	5705499132977	75	280x280	420	2
402.004.110	5705499132984	110	280x280	420	2

UPPER PART FOR ROOF DRAIN TYPE 710



Type no.	EAN no.	D	F	H	H5
710.472.000.01 S	5705499127775	110	200x200	400	51

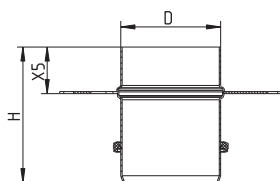
UPPER PART FOR ROOF DRAIN TYPE 774



Type no.	EAN no.	D	F	H	H5
774.472.000.01 S	5705499127782	160	200x200	400	40

EMERGENCY DRAIN STAND PIPE TYPE 400.100

FOR ROOF WITH GRAVITY DRAINAGE

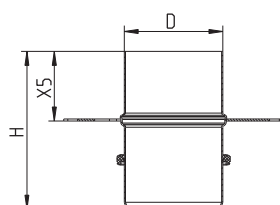


Type no.	EAN no.	D	H	X5	Max Flow (l/s)
400.100.050	5705499132991	50	105	35	6.2
400.100.075	5705499133004	75	102	35	11.5
400.100.110	5705499133011	110	107	35	9.7

Flow rate measured 35mm above top of pipe (70mm above surface of roof)

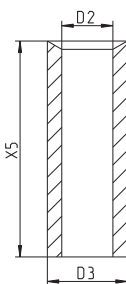
EMERGENCY DRAIN STAND PIPE TYPE 400.200

FOR ROOF WITH SIPHONIC DRAINAGE



Type no.	EAN no.	D	H	X5	Max Flow (l/s)
400.200.050	5705499133028	50	123	55	6.1
400.200.075	5705499133035	75	120	55	12.8

Flow rate measured 35mm above top of pipe (90mm above surface of roof)

ROOF DRAIN INSULATION TYPE 400.001

Type no.	EAN no.	D2	D3	X5
400.001.040	5705499133059	45	86	330
400.001.050	5705499133066	56	98	330
400.001.075	5705499133073	78	122	330
400.001.110	5705499133080	118	165	330

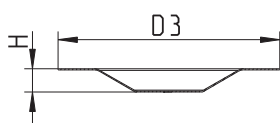
ELECTRICAL HEATING CABLE

0,8M HEATING CABLE + 1,0M RUBBER CABLE

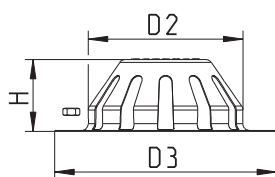


Type no.	EAN no.
400.000.000	5705499133042

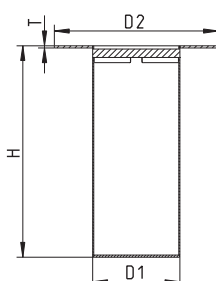
Voltage = 230V

SIPHONIC PLATE

Type no.	EAN no.	H	D3
400.000.100	5705499133110	21	200

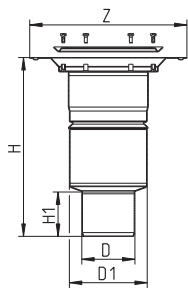
LEAF GUARD TYPE 400.000.001

Type no.	EAN no.	H	D2	D3
400.000.001	5705499133127	65	140	200

SAND BUCKET

Type no.	EAN no.	D1	H	D2	T
780.002.005.00	5705499134544	82	200	155	2
780.003.005.00	5705499134551	125	200	155	2

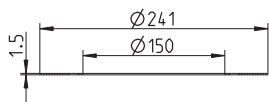
MEMBRANE LOWER PART TYPE 440
WITH STEEL CLAMPING RING



Type no.	EAN no.	D	D1	Z	H	H1
440.226.075	5705499101331	75	110	Ø222	253	63
440.226.110	5705499101355	110	110	Ø222	164	-

Suitable for leaf guard type 640 and 898

SI SEALING RING
FOR ROOF DRAIN TYPE 402



Type no.	EAN no.
400.000.004	5705499133424

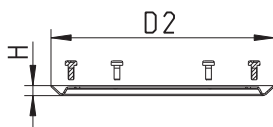
For roofs with TPO/FPO-membranes.

SET OF NUTS FOR ROOF DRAIN



Type no.	EAN no.
400.000.003	5705499133202

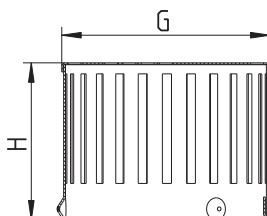
STEEL CLAMPING RING



Type no.	EAN no.	H	D2
620.300.006	5705499106497	7	155

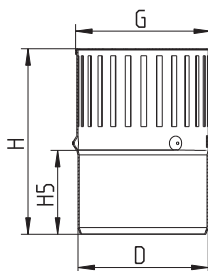
Suitable for membrane lower part type 440

LEAF GUARD TYPE 640



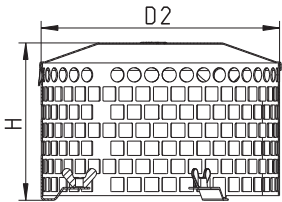
Type no.	EAN no.	G	H
640.4118-2	5705499102871	Ø114	86

LEAF GUARD TYPE 898



Type no.	EAN no.	D	G	H	H5
898.001.110 S	5705499412260	110	Ø114	157	71

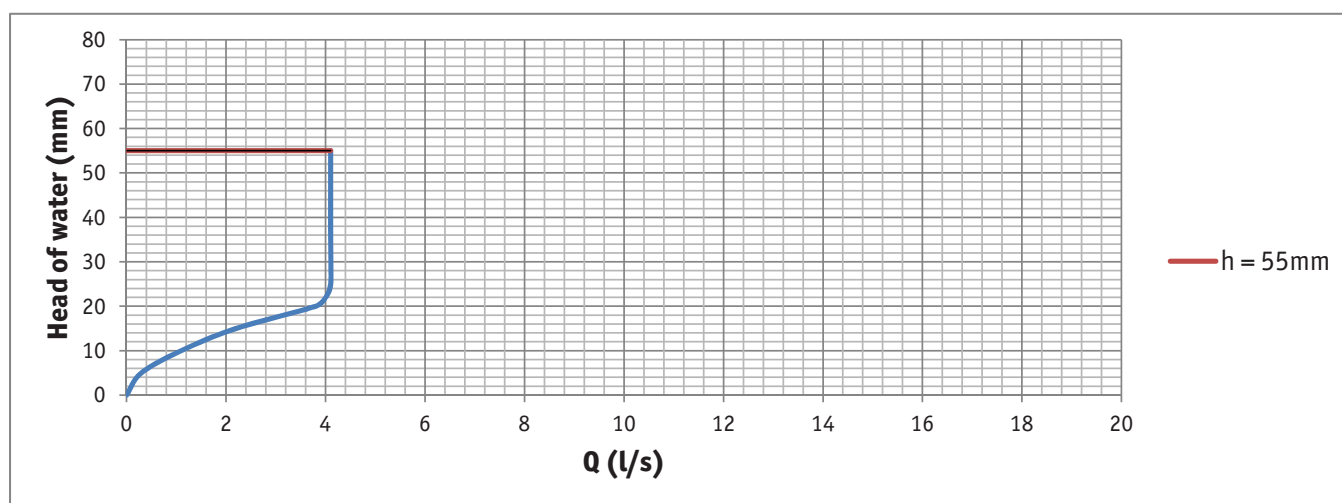
STONE GUARD FOR ROOF DRAINS
FOR ROOF DRAINS TYPE 40X.10X.XXX



Type no.	EAN no.	H	D2
400.000.005	5705499133431	165	250

Flow rates for pipe dimension OD40 mm

BLÜCHER® Drain Roof - siphonic OD40 mm



Test information and basis

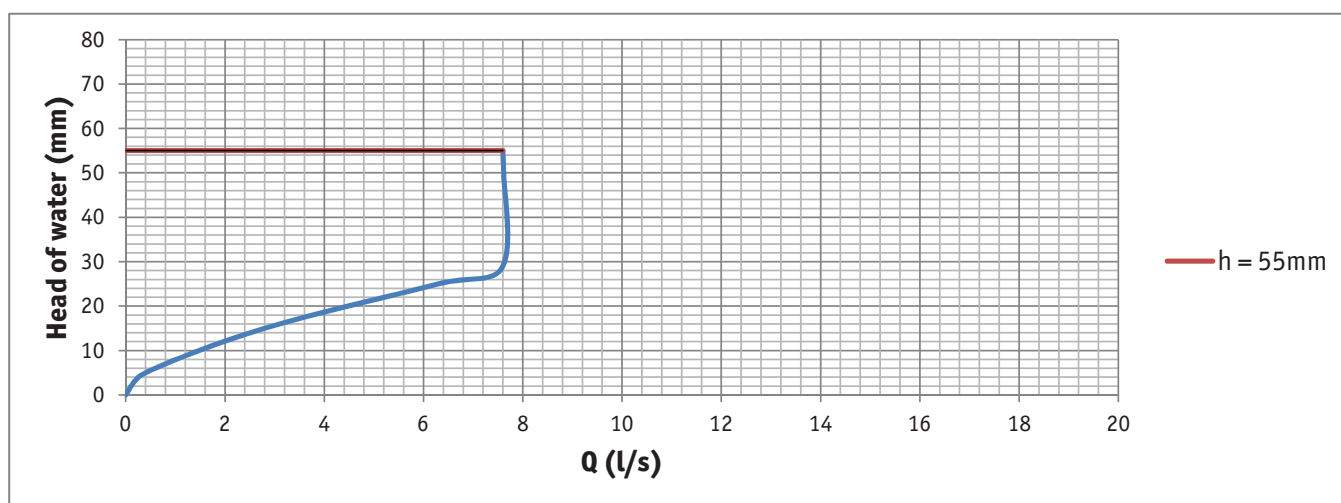
Flow test carried out at TÜV Rheinland LGA Products GmbH February 2011.

Siphonic flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8D

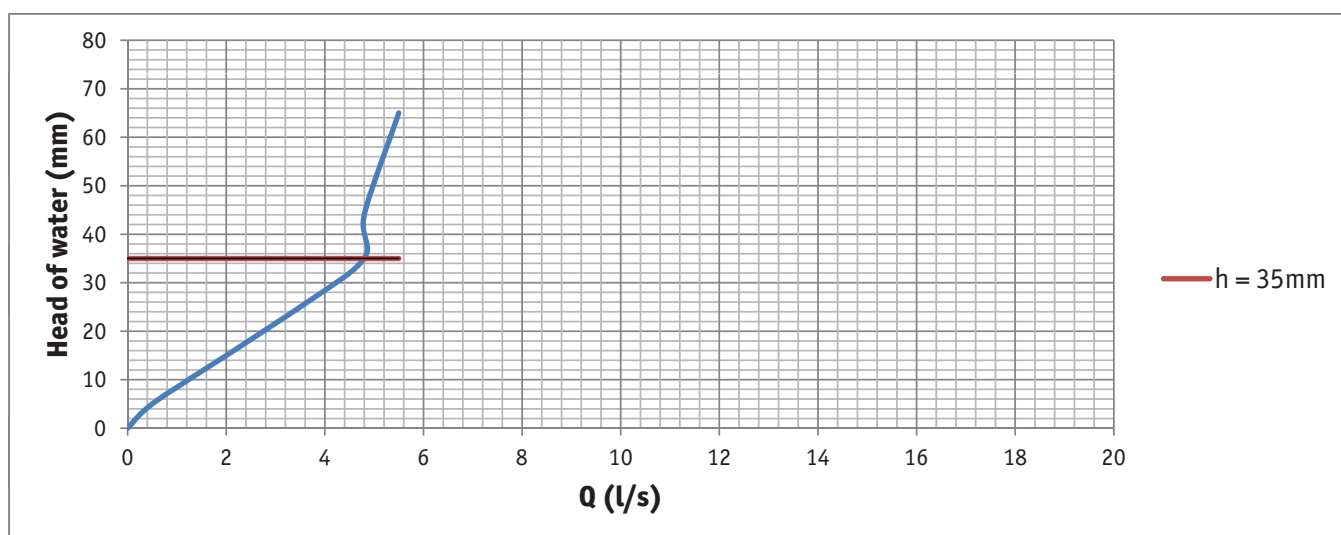
Gravity flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8C

Flow rates for pipe dimension OD50 mm

BLÜCHER® Drain Roof - siphonic OD50 mm



BLÜCHER® Drain Roof - gravity OD50 mm



Test information and basis

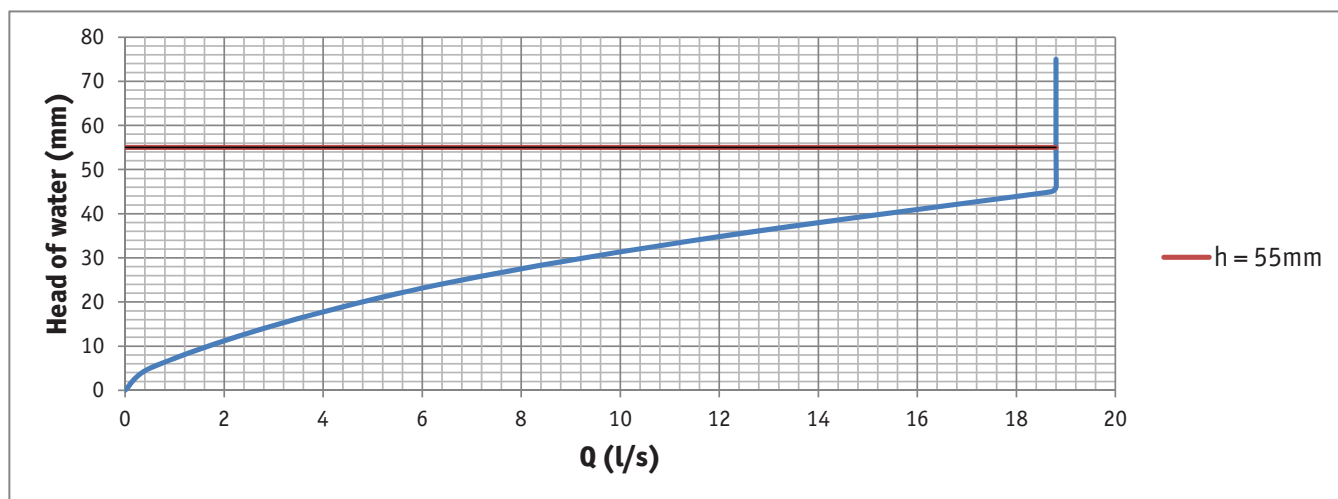
Flow test carried out at TÜV Rheinland LGA Products GmbH February 2011.

Siphonic flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8D

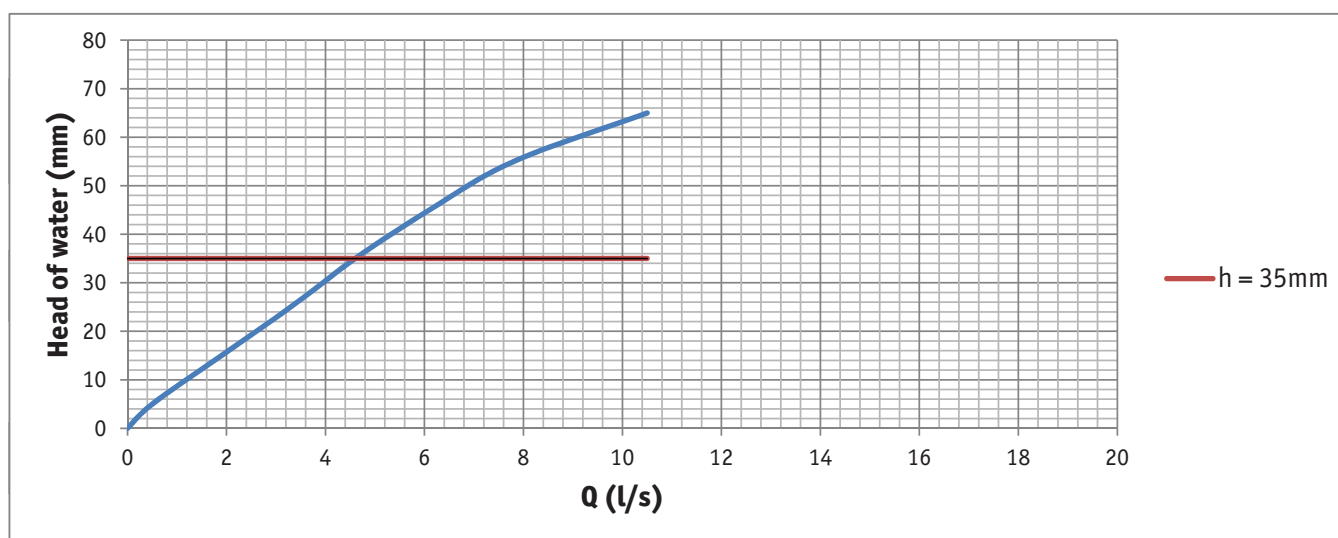
Gravity flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8C

Flow rates for pipe dimension OD75 mm

BLÜCHER® Drain Roof - siphonic OD75 mm



BLÜCHER® Drain Roof - gravity OD75 mm



Test information and basis

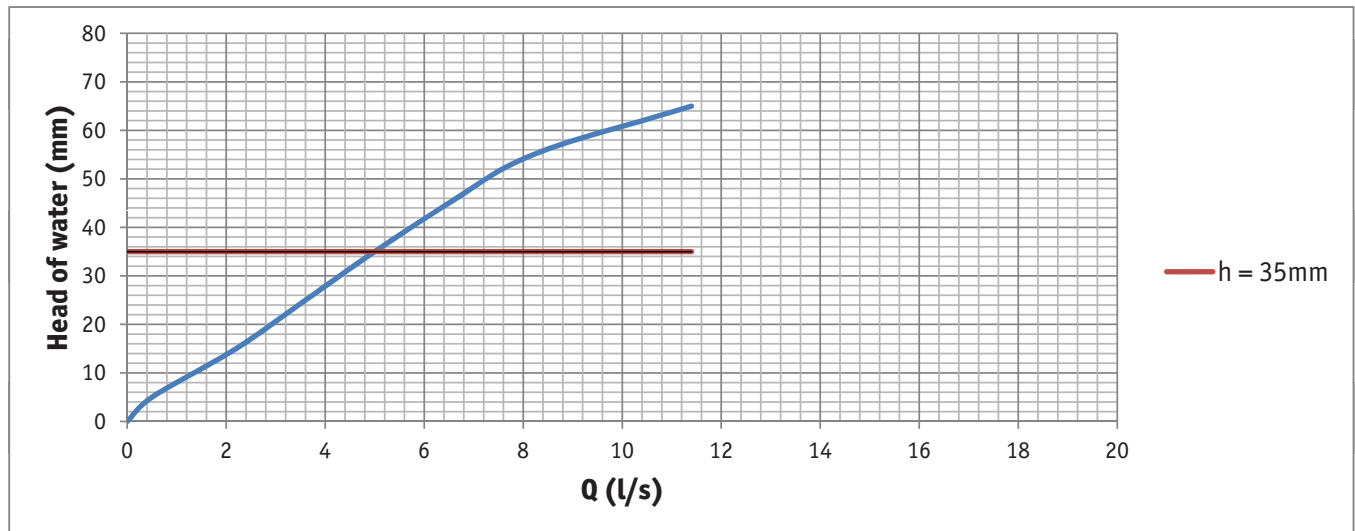
Flow test carried out at TÜV Rheinland LGA Products GmbH February 2011.

Siphonic flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8D

Gravity flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8C

Flow rates for pipe dimension OD110 mm

BLÜCHER® Drain Roof - gravity OD110 mm



Test information and basis

Flow test carried out at TÜV Rheinland LGA Products GmbH February 2011.

Siphonic flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8D

Gravity flow tested in accordance with EN1253 1+2 and carried out according to 1253-2: 2003 page 16 Figure 8C

Gravity flow boost

For gravity roof drainage systems in which flow rates exceeding those that can be achieved with the BLÜCHER® Drain Roof for gravity, are requested, roof drains for gravity system, type 40X.10X.XXX, with vacuum plate type 400.000.1000 can be installed to boost the water flow through the drains.

Owing to the vacuum plate, a vacuum zone is created around the drain, and this vacuum zone will be activated immediately when the water flow reaches the larger pipe line installed in accordance with EN12056 and with our recommendations as to the installation of roof drainage with drains for gravity system.

Note: We recommend securing all BLÜCHER® EuroPipe pipe joints after the roof drains with pipe joint clamps type 847.XXX.XXX.

	Ø40 mm drains		Ø50 mm drains		Ø75 mm drains		Ø110 mm drains	
Drain type	40X.204.040	40X.204.040	40X.204.050	40X.204.050	40X.204.075	40X.204.075	40X.204.110	40X.204.110
Outlet diameter	Ø40 mm	Ø40 mm	Ø50 mm	Ø50 mm	Ø75 mm	Ø75 mm	Ø110 mm	Ø110 mm
Down pipe	Ø160 mm	Ø40 mm	Ø160 mm	Ø50 mm	Ø160 mm	Ø75 mm	Ø160 mm	Ø110 mm
Head of water [mm]	2 [l/s]	3 [l/s]	5 [l/s]	6 [l/s]	8 [l/s]	9 [l/s]	11 [l/s]	12 [l/s]
0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
5	0,5	0,4	0,5	0,4	0,4	0,5	0,5	0,5
15	1,8	1,9	1,2	2,1	1,7	1,8	1,8	2,4
25	2,3	3,5	4,1	4,6	2,7	4,8	3,5	5,2
35	3,1	3,5	4,2	6,3	3,0	8,8	5,6	8,4
45	3,2	3,5	4,2	6,4	3,3	13,3	5,7	12,3
55	3,3	3,5	4,2	6,4	3,4	14,4	5,8	ca. 17,5

Test information and basis

Flow test carried out in accordance with EN1253-1, 8.11.1 (gravity), min. 1,7 l/s at 35 mm head of water

Test set-up in accordance with EN1253-2 11.2, figure 8c

Conditions:

Limits for maximum water volume in downpipes are specified in local and European regulations.

The requirements to which the acceptable flow is to be designed, are described in EN12056-3.

BLÜCHER always recommend complying with and dimensioning in accordance with applicable national and European standards.

BLÜCHER® EuroPipe offers considerable advantages when it comes to flow rates due to the large internal pipe diameter.

The table below shows flow values for BLÜCHER® EuroPipe (vertical piping) based on the Wyly-Eaton equation used in EN12056-3:2000 item 6 table 8.

Flow rate			
Outside pipe diameter mm	Inside pipe diameter mm	Filling	
		0,2	0,33
40	38	0,35	0,81
50	48	0,66	1,51
75	73	2,01	4,63
82	80	2,56	5,91
110	108	5,71	13,15
125	123	8,07	18,60
160	157,5	15,61	35,97
200	197	28,36	65,34
250	247	51,84	119,45
315	311	95,83	220,82

Kb value:

0,25 mm

Pipes and fittings for commercial and industrial applications



Push-fit system
Lightweight
Fire resistant

Applications

- Above or below ground
- Completely interchangeable between vacuum and gravity systems

Details

- Standard dimensions Ø40 - Ø250mm
- Standard lengths 0.15 - 6 metres
- Extensive range of fittings
- Sealing ring included (one sealing ring for gravity and vacuum)
- Stainless steel AISI304/EN 1.4301 or AISI316L/EN 1.4404

Variants

- Range of sealing rings for various applications

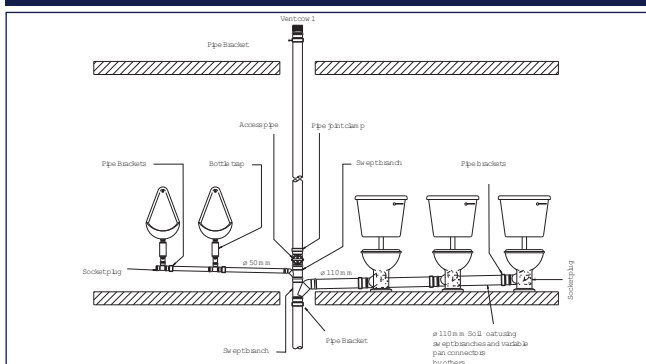
Options

- Range of pipe hangers
- Access pipe with hinged door
- Rat stop
- Electrical or manual pipe cutters

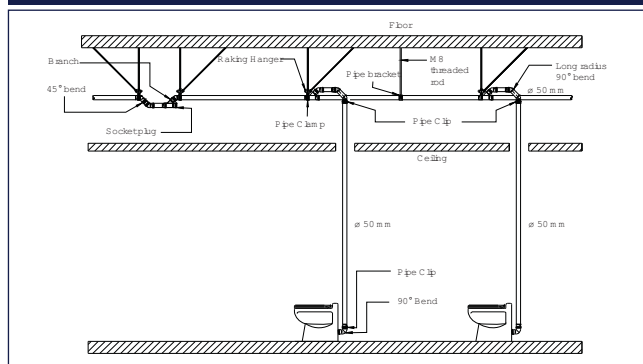
Complete systems

BLÜCHER® EuroPipe system can be used for many purposes - waste-water drainage, rainwater drainage, vacuum-cleaning systems, roof drainage

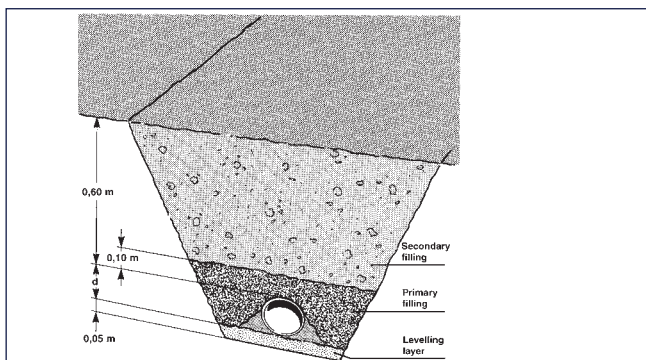
Waste-water drainage system, gravity



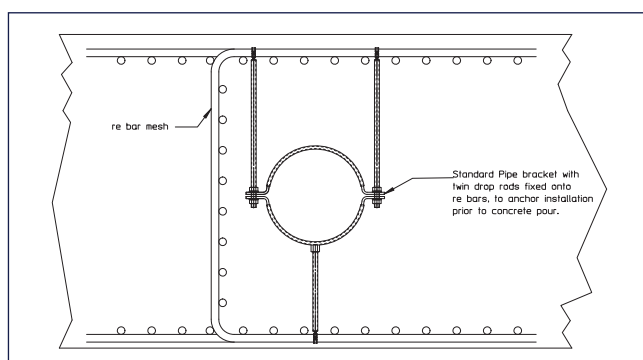
Waste-water drainage system, vacuum



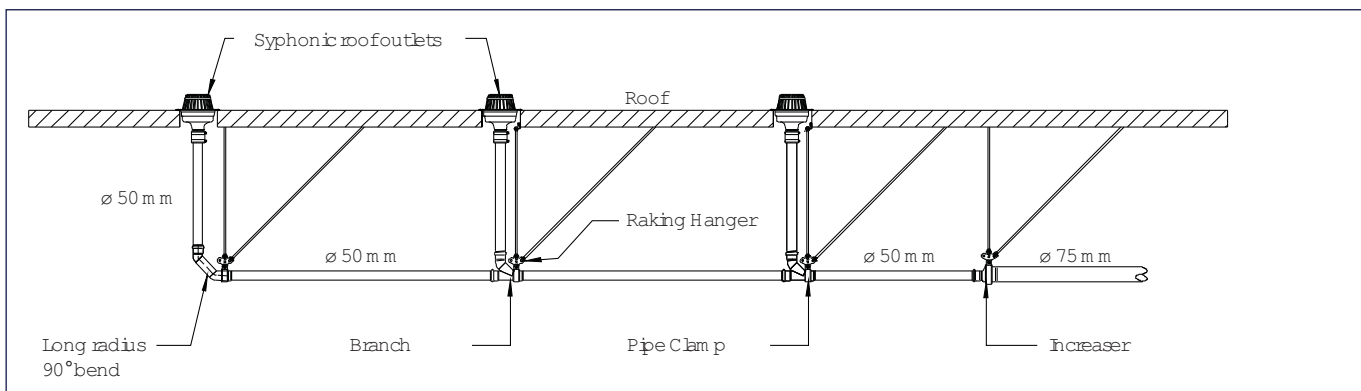
Below ground installation



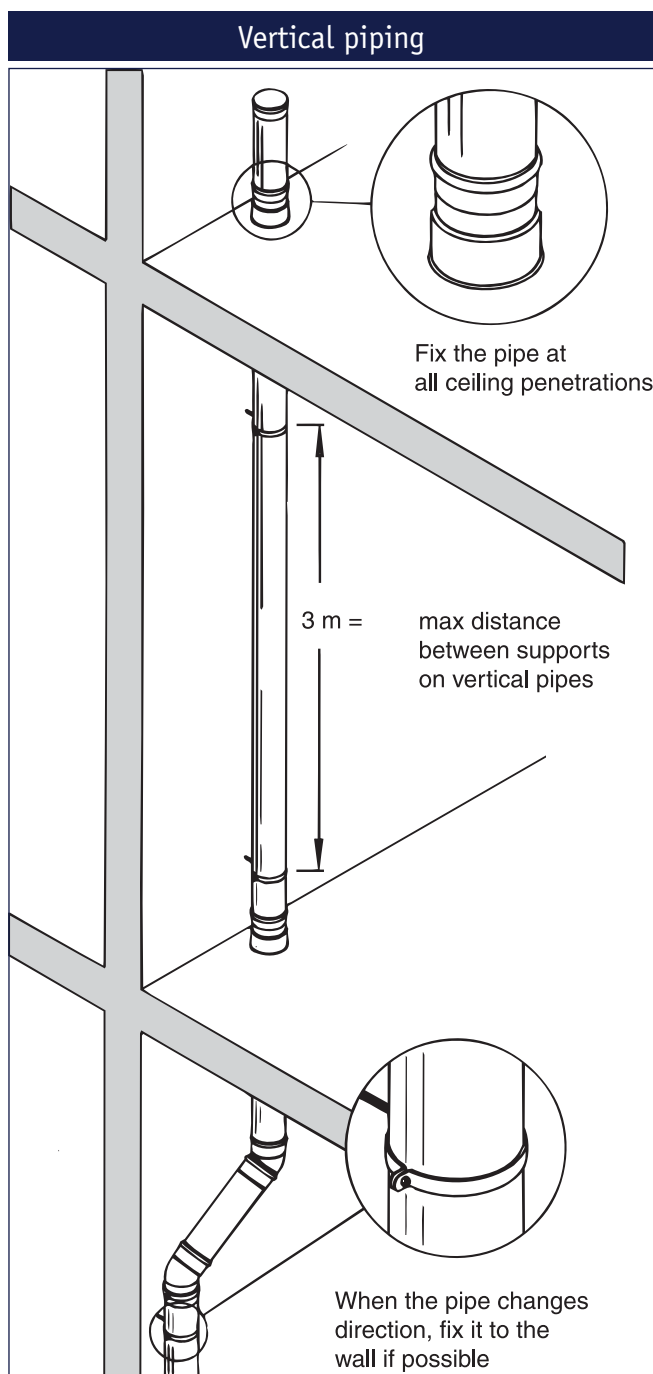
Below ground, pipes cast in raft foundation



Siphonic rainwater installation

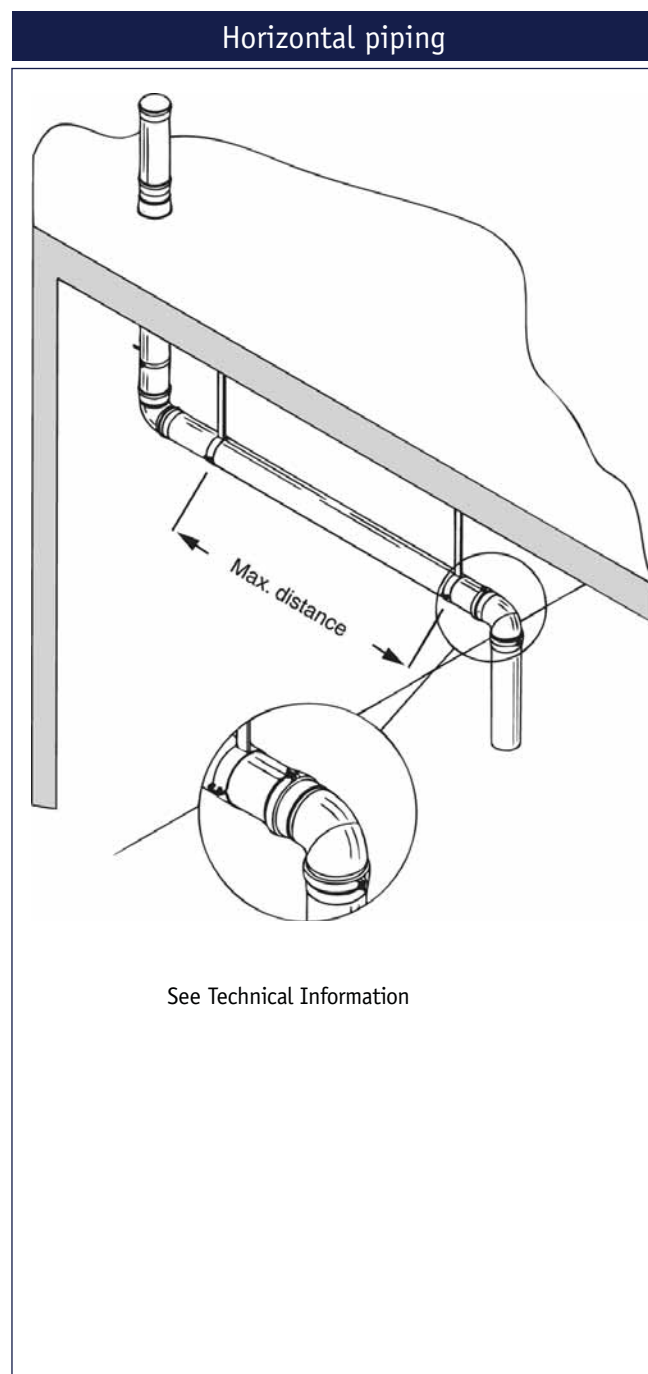


Installation examples



One fixing point per storey is normally sufficient. As opposed to plastic pipes, stainless steel pipes require only one pipe hanger per 3 metres, resulting in less sound and faster installation.

For further specifications and installation advice see the catalogue:
"Technical information on BLÜCHER® EuroPipe".

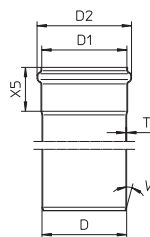


Horizontal pipe runs are always to be installed with a gradient. If no self-cleansing calculation is available, a gradient of 20 ‰ is recommended in gravity systems. Horizontal pipe runs in vacuum systems are to be installed in accordance with the recommendations of the vacuum system supplier.

When connecting major branch lines, the pipe is to be fixed just below the branch line.

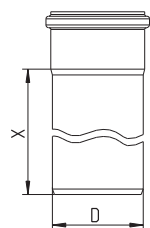
DIMENSIONAL DRAWING, SOCKET AND SPIGOT END

PIPES AND FITTINGS



Type no.	EAN no.	D	D1	D2	X5	T	V (°)
811.XXX.040		40	41	52	41	1	20
811.XXX.050		50	51	61	42	1	20
811.XXX.075		75	76	87	50	1	20
811.XXX.082		82	83	94	52	1	20
811.XXX.110		110	111	123	57	1	20
811.XXX.125		125	126	140	60	1	20
811.XXX.160		160	161	177	72	1.25	20
811.XXX.200		200	201	219	90	1.5	20
811.XXX.250		250	251	277	108	1.5	20
811.XXX.315		315	316	344	116	2	20

STRAIGHT PIPE WITH ONE SOCKET TYPE 811



Type no.	EAN no.	D	X	Kg
811.015.040	5705499412635	40	150	0,20
811.025.040	5705499412659	40	250	0,40
811.050.040	5705499412673	40	500	0,60
811.075.040	5705499412697	40	750	0,78
811.100.040	5705499412710	40	1000	1,02
811.150.040	5705499412734	40	1500	1,50
811.200.040	5705499412758	40	2000	1,99
811.300.040	5705499412772	40	3000	2,96
811.400.040	5705499412796	40	4000	3,92
811.500.040	5705499412819	40	5000	4,89
811.600.040	5705499412833	40	6000	5,86

811.015.050	5705499400205	50	150	0,25
811.025.050	5705499400281	50	250	0,38
811.050.050	5705499400366	50	500	0,68
811.075.050	5705499400441	50	750	1,00
811.100.050	5705499400526	50	1000	1,25
811.150.050	5705499400601	50	1500	1,90
811.200.050	5705499400687	50	2000	2,45
811.300.050	5705499400762	50	3000	3,82
811.400.050	5705499400854	50	4000	5,06
811.500.050	5705499400939	50	5000	6,31
811.600.050	5705499401011	50	6000	7,56

811.015.075	5705499400229	75	150	0,41
811.025.075	5705499400304	75	250	0,58
811.050.075	5705499400380	75	500	1,00
811.075.075	5705499400465	75	750	1,50
811.100.075	5705499400540	75	1000	1,95
811.150.075	5705499400625	75	1500	2,75
811.200.075	5705499400700	75	2000	3,70
811.300.075	5705499400793	75	3000	5,78
811.400.075	5705499400878	75	4000	7,66
811.500.075	5705499400953	75	5000	9,54
811.600.075	5705499401035	75	6000	11,42

811.015.082	5705499411591	82	150	0,44
811.025.082	5705499411614	82	250	0,64
811.050.082	5705499411638	82	500	1,14
811.075.082	5705499411652	82	750	1,65
811.100.082	5705499411676	82	1000	2,15
811.150.082	5705499411690	82	1500	3,16
811.200.082	5705499411713	82	2000	4,17
811.300.082	5705499411737	82	3000	6,20
811.400.082	5705499411751	82	4000	8,22
811.500.082	5705499411775	82	5000	10,24
811.600.082	5705499411799	82	6000	12,26

811.015.110	5705499400243	110	150	0,61
811.025.110	5705499400328	110	250	0,87
811.050.110	5705499400403	110	500	1,50
811.075.110	5705499400489	110	750	2,15
811.100.110	5705499400564	110	1000	2,85
811.150.110	5705499400649	110	1500	4,30

Continues on next page

STRAIGHT PIPE WITH ONE SOCKET TYPE 811

Type no.	EAN no.	D	X	Kg
Continued from previous page				
811.200.110	5705499400724	110	2000	5,40
811.300.110	5705499400816	110	3000	8,34
811.400.110	5705499400892	110	4000	11,26
811.500.110	5705499400977	110	5000	14,02
811.600.110	5705499401059	110	6000	16,78

811.015.125	5705499410839	125	150	0,70
811.025.125	5705499408218	125	250	1,01
811.050.125	5705499408232	125	500	1,78
811.075.125	5705499410860	125	750	2,55
811.100.125	5705499408263	125	1000	3,32
811.150.125	5705499408287	125	1500	4,86
811.200.125	5705499408300	125	2000	6,40
811.300.125	5705499410907	125	3000	9,47
811.400.125	5705499410914	125	4000	12,55
811.500.125	5705499410938	125	5000	15,63
811.600.125	5705499410952	125	6000	18,71

811.015.160	5705499400267	160	150	1,19
811.025.160	5705499400342	160	250	1,69
811.050.160	5705499400427	160	500	2,96
811.075.160	5705499400502	160	750	4,22
811.100.160	5705499400588	160	1000	5,48
811.150.160	5705499400663	160	1500	8,02
811.200.160	5705499400748	160	2000	10,54
811.300.160	5705499400830	160	3000	15,59
811.400.160	5705499400915	160	4000	20,64
811.500.160	5705499400991	160	5000	25,69
811.600.160	5705499401073	160	6000	30,74

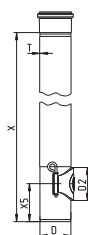
811.015.200	5705499412291	200	150	1,96
811.025.200	5705499412307	200	250	2,77
811.050.200	5705499412314	200	500	4,62
811.075.200	5705499412321	200	750	6,47
811.100.200	5705499412338	200	1000	8,32
811.200.200	5705499412345	200	2000	15,71
811.300.200	5705499412352	200	3000	23,10

811.050.250	5705499121735	250	500	5,84
811.100.250	5705499121742	250	1000	10,47
811.200.250	5705499121759	250	2000	19,72
811.300.250	5705499121766	250	3000	28,97

811.050.315	5705499413731	315	500	9,93
811.100.315	5705499413755	315	1000	17,70
811.200.315	5705499413779	315	1867	33,24

PIPE WITH ACCESS TYPE 813

IMPACT RESISTANT

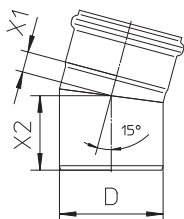


Type no.	EAN no.	D	D2	X	X5	T
813.150.075	5705499413557	75	80	1500	92	2
813.150.110	5705499413540	110	120	1500	123	2

For non pressurized system

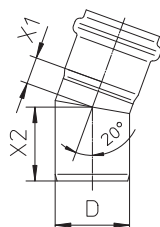
- Bends

BEND 15° TYPE 820.015



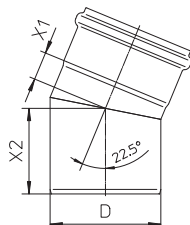
Type no.	EAN no.	D	X1	X2	Kg
820.015.040	5705499412857	40	15	53	0,12
820.015.050	5705499401127	50	19	53	0,15
820.015.075	5705499401141	75	21	65	0,28
820.015.082	5705499411812	82	17	64	0,30
820.015.110	5705499401165	110	25	78	0,47
820.015.125	5705499408607	125	19	84	0,56
820.015.160	5705499401189	160	29	99	1,08
820.015.200 S	5705499410976	200	31	123	1,99
820.015.250 S	5705499121599	250	38	136	3,03
820.015.315 S	5705499413816	315	46	151	5,50

BEND 20° TYPE 820.020



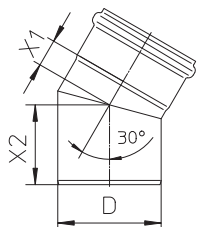
Type no.	EAN no.	D	X1	X2	Kg
820.020.050	5705499401202	50	18	50	0,15

BEND 22.5° TYPE 820.023



Type no.	EAN no.	D	X1	X2	Kg
820.023.050 S	5705499408621	50	15	57	0,15
820.023.075 S	5705499401219	75	21	71	0,29
820.023.110 S	5705499408638	110	28	85	0,51
820.023.160 S	5705499408645	160	39	109	1,18

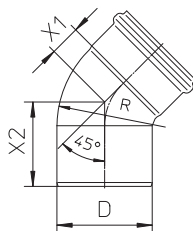
BEND 30° TYPE 820.030



Type no.	EAN no.	D	X1	X2	Kg
820.030.040	5705499412871	40	18	55	0,13
820.030.050	5705499401226	50	23	57	0,16
820.030.075	5705499401240	75	25	70	0,28
820.030.082	5705499411836	82	23	70	0,32
820.030.110	5705499401264	110	33	86	0,51
820.030.125	5705499408652	125	28	98	0,63
820.030.160	5705499401288	160	40	110	1,19
820.030.200 S	5705499410983	200	45	137	2,20
820.030.250 S	5705499121605	250	56	153	3,35
820.030.315 S	5705499413823	315	68	172	6,18

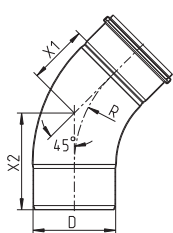
- Bends

BEND 45° TYPE 820.045



Type no.	EAN no.	D	X1	X2	R	Kg
820.045.040	5705499412895	40	21	58	40	0,13
820.045.050	5705499401301	50	27	60	50	0,17
820.045.075	5705499401325	75	34	76	75	0,30
820.045.082	5705499411850	82	30	80	82	0,34
820.045.110	5705499401349	110	43	93	110	0,56
820.045.125	5705499408676	125	58	111	125	0,73
820.045.160	5705499401363	160	57	128	172	1,55

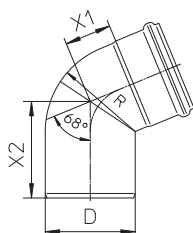
BEND, LARGE RADIUS 45° TYPE 820.045



Type no.	EAN no.	R	Kg
820.045.200 S		300	4,18
820.045.250 S		375	6,53
820.045.315 S		450	10,78

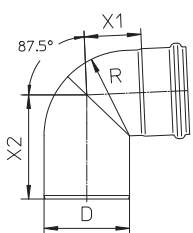
NEW DESIGN
Please contact BLÜCHER Customer
Center or visit our products
database at www.blucher.com.

BEND 68° TYPE 820.068



Type no.	EAN no.	D	X1	X2	R	Kg
820.068.082	5705499412369	82	41	97	82	0,40
820.068.110	5705499403817	110	57	118	110	0,60

BEND 87.5° TYPE 820.090

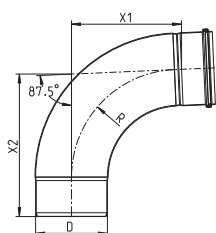


Type no.	EAN no.	D	X1	X2	R	Kg
820.090.040	5705499412918	40	32	79	40	0,16
820.090.050	5705499401387	50	41	87	50	0,21
820.090.075	5705499401400	75	54	108	75	0,39
820.090.082	5705499411874	82	53	109	82	0,43
820.090.110	5705499401424	110	74	136	110	0,67
820.090.125	5705499408720	125	93	161	125	1,68
820.090.160	5705499401448	160	103	184	171	2,10

To comply with BS EN 12056 Gravity Drainage inside Buildings use 821 bend at offsets and base of stack.

- Bends

BEND, LARGE RADIUS 87.5° TYPE 820.090

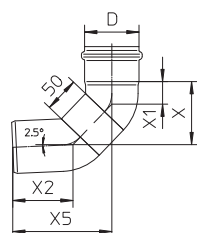


Type no.	EAN no.	R	Kg
820.090.200 S	5705499408751	300	6,41
820.090.250 S	5705499408775	375	9,88
820.090.315 S	5705499408843	450	15,78

To comply with BS EN 12056 Gravity Drainage inside Buildings use 821 bend at offsets and base of stack.

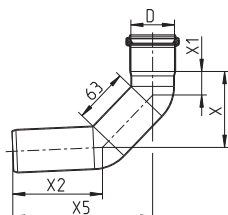
NEW DESIGN
Please contact BLÜCHER Customer Center or visit our products database at www.blucher.com.

BEND, LONG RADIUS 87.5°, 50 MM TYPE 821.000



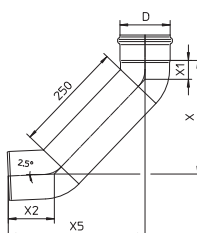
Type no.	EAN no.	D	X	X1	X2	X5	Kg
821.000.050	5705499404005	50	77	26	72	120	0,30
821.000.075	5705499404029	75	90	32	86	141	0,50

BEND, LONG RADIUS 87.5°, 164 MM TYPE 821.164



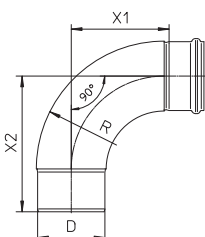
Type no.	EAN no.	D	X	X1	X2	X5	Kg
821.164.050 S	5705499124057	50	87	27	103	160	0,32

BEND, LONG RADIUS 87.5°, 250 MM TYPE 821.090



Type no.	EAN no.	D	X	X1	X2	X5	Kg
821.090.050	5705499408751	50	221	26	72	259	0,50
821.090.075	5705499408775	75	234	32	87	280	0,90
821.090.110	5705499401462	110	255	42	103	307	1,61
821.090.125	5705499412178	125	275	58	126	335	1,72
821.090.160	5705499401486	160	285	56	137	356	3,25

BEND, MEDIUM RADIUS 90° TYPE 825

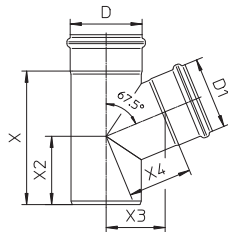


Type no.	EAN no.	D	X1	X2	R	Kg
825.090.050 S	5705499408843	50	77	125	97	0,65
825.090.075 S	5705499408850	75	104	155	133	1,00
825.090.110 S	5705499408867	110	160	222	209	1,41
825.090.160 S	5705499408874	160	244	322	313	2,99

To comply with BS EN 12056 Gravity Drainage inside Buildings use 821 bend at offsets and base of stack.

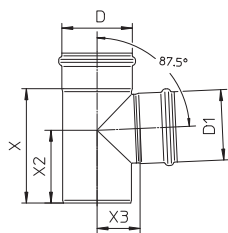
- Branches

BRANCH 67.5° TYPE 829



Type no.	EAN no.	D	D1	X	X2	X3	X4	Kg
829.050.075	5705499401585	75	50	139	80	64	70	1,00
829.050.082	5705499411898	82	50	133	73	67	72	0,50
829.075.075	5705499401592	75	75	150	80	73	79	0,53
829.075.082	5705499411904	82	75	160	87	64	71	0,62
829.082.082	5705499411911	82	82	168	91	67	72	0,66
829.110.110	5705499403824	110	110	209	107	92	100	0,88

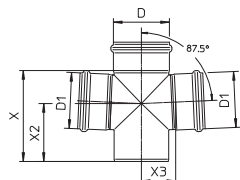
BRANCH 87.5° TYPE 830



Type no.	EAN no.	D	D1	X	X2	X3	Kg
830.040.040	5705499412932	40	40	101	69	30	0,22
830.040.050	5705499412956	50	40	106	71	35	0,26
830.050.050	5705499401608	50	50	106	71	35	0,27
830.050.075	5705499401622	75	50	139	98	49	0,44
830.050.082	5705499411928	82	50	128	86	52	0,47
830.050.110	5705499401646	110	50	132	93	66	0,64
830.050.160	5705499401660	160	50	158	109	88	2,40
830.075.075	5705499401684	75	75	139	90	52	0,50
830.075.082	5705499411942	82	75	154	99	55	0,57
830.075.110	5705499401707	110	75	152	104	69	0,76
830.075.125	5705499408942	125	75	187	110	77	0,94
830.075.160	5705499412550	160	75	179	121	95	1,46
830.082.082	5705499411966	82	82	162	103	56	0,61
830.110.110	5705499401721	110	110	183	117	69	0,88
830.110.125	5705499408973	125	110	205	127	77	1,25
830.110.160	5705499401745	160	110	236	152	93	1,84
830.125.125	5705499409000	125	125	220	135	82	1,17
830.160.160	5705499401769	160	160	288	184	104	2,40
830.160.200 S	5705499411003	200	160	293	186	125	3,45
830.200.200 S	5705499411010	200	200	333	206	128	4,17
830.200.250 S	5705499121636	250	200	352	220	155	5,50
830.250.250 S	5705499121643	250	250	407	245	152	6,53
830.250.315 S	5705499413854	315	250	416	253	189	9,95
830.315.315 S	5705499413861	315	315	481	286	196	12,22

To comply with BS EN 12056 Gravity Drainage inside Buildings, when using non reducing branch consider branch type 838, 848 or 839

DOUBLE BRANCH 87.5° TYPE 831

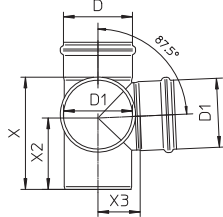


Type no.	EAN no.	D	D1	X	X2	X3	Kg
831.050.050	5705499401783	50	50	106	71	35	0,36
831.050.075	5705499401806	75	50	139	98	49	0,54
831.050.110	5705499401820	110	50	132	93	66	0,72
831.050.160	5705499412567	160	50	158	109	88	1,38
831.075.075	5705499401844	75	75	139	90	52	0,66
831.075.110	5705499401868	110	75	152	104	69	0,89
831.110.110	5705499401882	110	110	183	116	69	1,14
831.110.160	5705499401905	160	110	236	152	94	2,05
831.160.160	5705499401929	160	160	288	184	104	2,91

To comply with BS EN 12056 Gravity Drainage inside Buildings, when using non reducing branch consider branch type 836.

- Branches

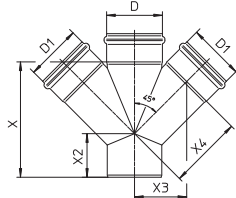
DOUBLE BRANCH 87.5° TYPE 832



Type no.	EAN no.	D	D1	X	X2	X3	Kg
832.050.050	5705499401943	50	50	106	71	35	0,36
832.050.075	5705499401967	75	50	139	98	49	0,54
832.050.110	5705499401981	110	50	132	93	66	0,72
832.075.075	5705499402001	75	75	139	90	52	0,66
832.075.110	5705499402025	110	75	152	104	69	0,89
832.110.110	5705499402049	110	110	183	116	69	1,14
832.110.160	5705499402063	160	110	236	152	94	2,05
832.160.160	5705499402087	160	160	288	184	104	2,91

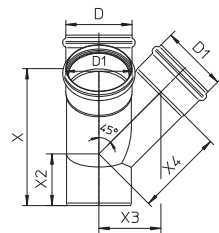
To comply with BS EN 12056 Gravity Drainage inside Buildings, when using non reducing branch consider branch type 837.

DOUBLE BRANCH 45° TYPE 836



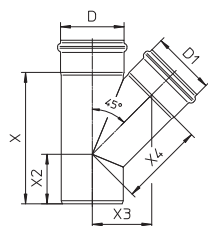
Type no.	EAN no.	D	D1	X	X2	X3	X4	Kg
836.050.050 S	5705499402117	50	50	128	57	54	76	0,59
836.050.075 S	5705499402131	75	50	144	56	66	94	0,69
836.050.110 S	5705499402155	110	50	147	42	84	119	0,80
836.075.075 S	5705499402179	75	75	183	74	78	110	1,15
836.075.110 S	5705499402193	110	75	182	60	95	135	1,31
836.110.110 S	5705499402216	110	110	233	88	105	149	2,10
836.110.125 S	5705499412574	125	110	250	90	110	155	1,65
836.110.160 S	5705499402223	160	110	258	80	131	186	2,85
836.125.125 S	5705499412581	125	125	273	103	120	170	2,10
836.160.160 S	5705499402230	160	160	331	120	156	221	5,28
836.200.200 S	5705499412598	200	200	415	151	194	274	5,28
836.250.250 S	5705499412604	250	250	512	177	236	334	7,01

DOUBLE BRANCH 45° TYPE 837



Type no.	EAN no.	D	D1	X	X2	X3	X4	Kg
837.050.050 S	5705499402254	50	50	128	57	54	76	0,49
837.050.075 S	5705499402278	75	50	144	56	66	94	0,67
837.050.110 S	5705499402285	110	50	147	42	84	119	0,92
837.075.075 S	5705499402292	75	75	183	74	78	110	1,43
837.075.110 S	5705499402308	110	75	182	60	95	135	1,31
837.110.110 S	5705499402322	110	110	233	88	105	149	2,07
837.110.160 S	5705499402339	160	110	258	80	131	186	2,07
837.160.160 S	5705499402346	160	160	331	120	156	221	4,02

OBLIQUE BRANCH 45° TYPE 838



Type no.	EAN no.	D	D1	X	X2	X3	X4	Kg
838.040.040	5705499412994	40	40	118	58	45	63	0,25
838.040.050	5705499413014	50	40	119	55	50	71	0,30
838.050.050	5705499402353	50	50	133	62	54	76	0,32
838.050.075	5705499402377	75	50	144	56	66	94	0,48
838.050.082	5705499411980	82	50	149	57	72	102	0,54
838.050.110	5705499402391	110	50	147	42	84	119	0,70
838.075.075	5705499402414	75	75	183	78	78	110	0,64
838.075.082	5705499412000	82	75	185	75	81	114	0,70
838.075.110	5705499402438	110	75	181	60	95	135	0,88
838.075.125	5705499409314	125	75	200	65	100	141	1,32
838.082.082	5705499412024	82	82	195	80	83	118	0,75
838.110.110	5705499402452	110	110	236	91	105	149	1,16
838.110.125	5705499409338	125	110	250	90	110	155	1,50
838.110.160	5705499402476	160	110	258	80	131	186	2,11
838.125.125	5705499409352	125	125	273	103	120	170	1,49
838.160.160	5705499402490	160	160	331	120	156	220	3,04

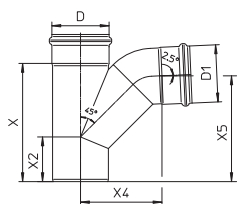
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- Branches

OBLIQUE BRANCH 45° TYPE 838

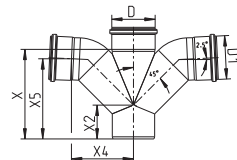
Type no.	EAN no.	D	D1	X	X2	X3	X4	Kg
Continued from previous page								
838.160.200 S	5705499411027	200	160	359	123	177	250	4,37
838.200.200 S	5705499411034	200	200	415	151	194	274	5,47
838.200.250 S	5705499121650	250	200	432	142	217	307	6,61
838.250.250 S	5705499121667	250	250	512	177	236	334	8,57
838.250.315 S	5705499413878	315	250	518	154	270	416	12,48
838.315.315 S	5705499413885	315	315	621	200	294	382	16,53

SWEPT BRANCH 87.5° TYPE 839



Type no.	EAN no.	D	D1	X	X2	X4	X5	Kg
839.050.050	5705499402513	50	50	133	62	84	121	0,44
839.050.075	5705499402537	75	50	144	56	97	128	0,60
839.050.110	5705499402551	110	50	147	42	115	132	0,81
839.075.075	5705499402575	75	75	183	78	114	160	0,87
839.075.110	5705499402599	110	75	182	60	130	160	1,11
839.110.110	5705499402612	110	110	236	91	161	212	1,64
839.110.160	5705499402636	160	110	258	80	186	227	2,53
839.160.160	5705499402650	160	160	331	120	223	298	4,52
839.200.200 S	5705499412611	200	200	415	151	428	434	15,00
839.250.250 S	5705499412628	250	250	512	177	535	525	12,56
839.315.315 S	5705499413892	315	315	621	200	651	625	22,43

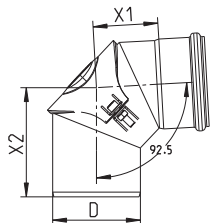
DOUBLE SWEPT BRANCH TYPE 879



Type no.	EAN no.	D	D1	X	X2	X4	X5	Kg
879.110.110 S	5705499403916	110	110	233	88	161	208	1,80

- Access pipes and bends

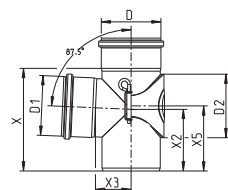
BEND 87.5° WITH ACCESS TYPE 822



Type no.	EAN no.	D	X1	X2
822.090.075	5705499401509	75	57	102
822.090.110	5705499401523	110	81	137
822.090.160	5705499401547	160	112	205

For non pressurized system

BRANCH 87.5° WITH ACCESS TYPE 834

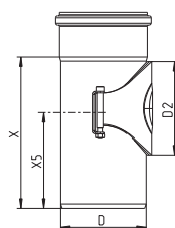


Type no.	EAN no.	D	D1	D2	X	X2	X3	X5
834.110.110 S	5705499409284	110	110	120	194	117	67	123
834.160.160 S	5705499409307	160	160	120	277	176	86	208

For non pressurized system.

To comply with BS EN 12056 Gravity Drainage inside Buildings, when using non reducing branch consider branch type 838, 848 or 839.

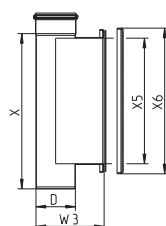
PIPE WITH ACCESS TYPE 840



Type no.	EAN no.	D	D2	X	X5
840.075.075	5705499402674	75	80	139	92
840.110.110	5705499403794	110	120	194	123
840.111.110	5705499402698	110	120	253	187
840.125.125 S	5705499411058	125	120	195	128
840.160.160	5705499402711	160	120	277	208
840.200.200 S	5705499412215	200	120	288	208

For non pressurized system

PIPE WITH ACCESS TYPE 840.000



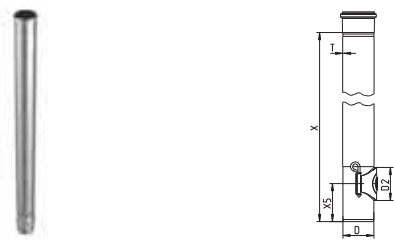
Type no.	EAN no.	D	W3	X	X5	X6
840.000.110 S	5705499127553	110	190	433	350	406
840.000.160 S	5705499127560	160	265	499	400	456
840.000.200 S	5705499127577	200	330	618	500	556
840.000.250 S	5705499127584	250	405	742	600	656

For below ground

- Access pipes and bends

PIPE WITH ACCESS TYPE 813

IMPACT RESISTANT

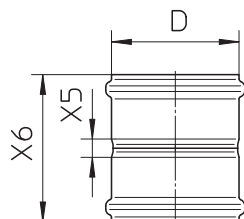


Type no.	EAN no.	D	D2	X	X5	T
813.150.075	5705499413557	75	80	1500	92	2
813.150.110	5705499413540	110	120	1500	123	2

For non pressurized system

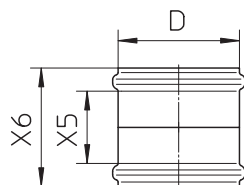
- Sockets

DOUBLE COUPLING TYPE 841



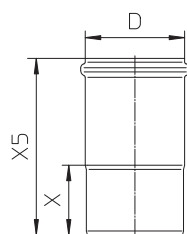
Type no.	EAN no.	D	X5	X6	Kg
841.040.040	5705499413038	40	20	104	0,13
841.050.050	5705499402735	50	13	97	0,15
841.075.075	5705499402759	75	20	120	0,26
841.082.082 S	5705499412048	82	20	124	0,31
841.110.110	5705499402773	110	16	130	0,45
841.125.125	5705499409475	125	20	140	0,54
841.160.160	5705499402797	160	20	162	1,05
841.200.200 S	5705499411065	200	20	200	1,85
841.250.250 S	5705499121674	250	30	246	3,11
841.315.315 S	5705499413908	315	30	262	5,36

DOUBLE SLIP COUPLING TYPE 842



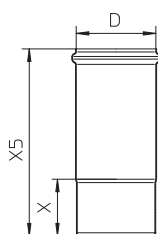
Type no.	EAN no.	D	X5	X6	Kg
842.040.040 S	5705499413069	40	76	104	0,13
842.050.050 S	5705499402810	50	71	97	0,12
842.075.075 S	5705499402827	75	91	120	0,21
842.082.082 S	5705499412055	82	95	124	0,31
842.110.110 S	5705499402834	110	97	130	0,45
842.125.125 S	5705499409550	125	104	140	0,47
842.160.160 S	5705499402841	160	118	162	1,05
842.200.200 S	5705499411072	200	147	200	1,82
842.250.250 S	5705499121681	250	173	264	3,11
842.315.315 S	5705499413915	315	177	262	5,36

EXPANSION SOCKET TYPE 843



Type no.	EAN no.	D	X	X5	Kg
843.095.040	5705499413076	40	55	150	0,17
843.105.050	5705499402858	50	57	159	0,21
843.115.075	5705499402872	75	62	175	0,36
843.125.110	5705499402896	110	79	200	0,57
843.140.125	5705499122503	125	100	240	0,81
843.182.160	5705499402919	160	122	292	1,55

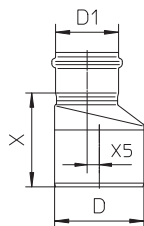
EXPANSION SOCKET, LONG MODEL TYPE 869



Type no.	EAN no.	D	X	X5	Kg
869.143.050	5705499410617	50	57	200	0,25
869.163.075	5705499410631	75	62	225	0,40
869.170.082	5705499121339	82	70	240	0,54
869.181.110	5705499410655	110	79	260	0,70
869.200.125	5705499412192	125	100	300	0,99
869.238.160	5705499410679	160	122	360	1,85
869.300.200 S	5705499121353	200	120	420	2,43

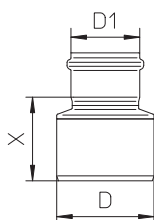
- Increasers and reducers

INCREASER ECCENTRIC TYPE 850



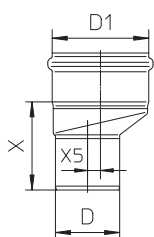
Type no.	EAN no.	D	D1	X	X5	Kg
850.040.050 S	5705499413397	50	40	85	5	0,16
850.050.075	5705499403084	75	50	87	7	0,22
850.050.082 S	5705499412062	82	50	97	14	0,25
850.050.110	5705499403107	110	50	114	25	0,38
850.075.110	5705499403138	110	75	116	15	0,42
850.075.160	5705499403169	160	75	178	37	1,20
850.082.110 S	5705499412086	110	82	111	11	0,43
850.110.125 S	5705499413410	125	110	109	8	0,49
850.110.160	5705499403206	160	110	140	22	1,06
850.125.160 S	5705499413427	160	125	138	18	0,95
850.160.200 S	5705499413434	200	160	165	20	1,67
850.200.250 S	5705499413441	250	200	195	25	2,57
850.200.315 S	5705499413953	315	200	280	58	4,61
850.250.315 S	5705499413977	315	250	242	33	4,82

INCREASER CONCENTRIC TYPE 850



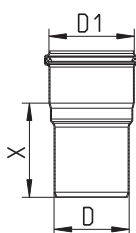
Type no.	EAN no.	D	D1	X	Kg
850.050.075 CS	5705499409734	75	50	82	0,20
850.050.110 CS	5705499408454	110	50	94	0,30
850.075.082 CS	5705499412079	82	75	96	0,29
850.075.110 C	5705499403145	110	75	95	0,37
850.082.110 CS	5705499412093	110	82	110	1,00
850.110.125 CS	5705499409758	125	110	103	0,52
850.110.160 CS	5705499408461	160	110	117	1,00
850.125.160 CS	5705499408478	160	125	145	1,00
850.160.200 CS	5705499411096	200	160	170	1,50
850.200.250 CS	57054994121698	250	200	176	1,98
850.200.315 CS	5705499413946	315	200	223	4,11
850.250.315 CS	5705499413960	315	250	180	3,74

REDUCER ECCENTRIC TYPE 850



Type no.	EAN no.	D	D1	X	X5	Kg
850.050.040 S	5705499403961	40	50	77	5	0,10
850.075.050 S	5705499403121	50	75	80	7	0,28
850.110.050 S	5705499403183	50	110	99	25	0,50
850.110.075 S	5705499403190	75	110	104	15	0,55
850.110.082 S	5705499413342	82	110	101	11	0,29
850.125.110 S	5705499413359	110	125	96	8	1,00
850.160.110 S	5705499408485	110	160	123	22	1,08
850.160.125 S	5705499413366	125	160	136	18	0,50
850.200.160 S	5705499413373	160	200	153	20	1,77
850.250.200 S	5705499413380	200	250	192	25	1,00
850.315.250 S	5705499413984	250	315	229	33	4,93

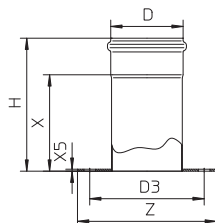
REDUCER CONCENTRIC TYPE 850



Type no.	EAN no.	D	D1	X	Kg
850.050.032 S	5705499403053	32	50	52	0,15
850.082.075 CS	5705499413465	75	82	94	1,00

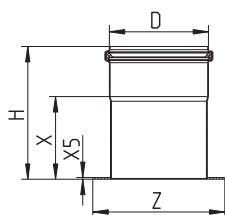
- Adaptors

FLANGE ADAPTOR TYPE 850.015



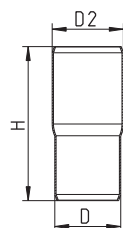
Type no.	EAN no.	D	Z.	H.	D3	X	X5
850.015.110 S FL	5705499409710	110	Ø216	207	178	150	3
850.015.160 S FL	5705499409727	160	Ø280	207	235	150	3

ADAPTOR FOR CLAY PIPE TYPE 851



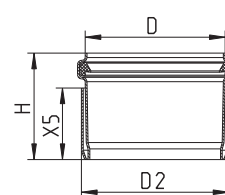
Type no.	EAN no.	D	Z.	H.	X	X5
851.150.110 S	5705499403237	110	Ø150	151	94	2
851.200.160 S	5705499403244	160	Ø200	195	125	1.3

ADAPTOR FOR PVC PIPE TYPE 852



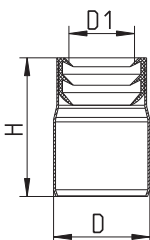
Type no.	EAN no.	D	H.	D2
852.050.054 S	5705499409772	50	117	54
852.075.082 S	5705499409796	75	123	82

ADAPTOR FOR PVC PIPE TYPE 852



Type no.	EAN no.	D	H.	D2	X5
852.050.054 S0S	5705499409789	50	49	54	30
852.075.082 S0S	5705499409802	75	60	82	40

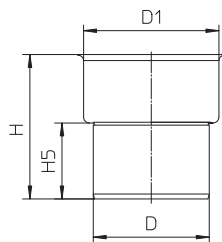
ADAPTOR FOR PVC PIPE TYPE 852



Type no.	EAN no.	D	D1	H.
852.075.052	5705499126709	75	52	108

- Adaptors

ADAPTOR FOR CAST IRON PIPE TYPE 853

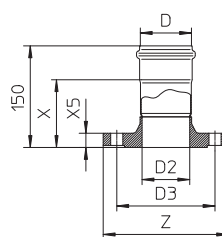


Type no.	EAN no.	D	D1	H.	H5.
853.093.075 S	5705499403251	75	93	125	66
853.127.110 S	5705499403268	110	127	141	76

Please order rubber insert type 803 separately

DIN FLANGE ADAPTOR TYPE 854.X00

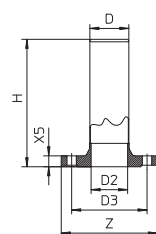
WITH SOCKET AND FLANGE PN16 DIN 2633/EN1092-1



Type no.	EAN no.	D	Z.	D2	D3	X	X5	Kg
854.200.040 S	5705499413205	40	Ø150	43	110	108	18	2,21
854.200.050 S	5705499403831	50	Ø150	43	110	108	19	2,10
854.200.075 S	5705499403848	75	Ø185	70	145	100	21	3,40
854.300.040 S	5705499413212	40	Ø165	55	125	108	18	2,62
854.300.050 S	5705499403879	50	Ø165	51	125	108	21	2,80
854.300.110 S	5705499403886	110	Ø220	107	180	95	23	5,00

DIN FLANGE ADAPTOR TYPE 854.X10

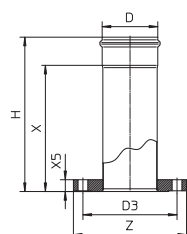
WITH SPIGOT AND FLANGE PN16 DIN 2633/EN1092-1



Type no.	EAN no.	D	Z.	H.	D2	D3	X5	Kg
854.210.040 S	5705499413229	40	Ø150	150	43	110	18	2,19
854.210.050 S	5705499403855	50	Ø150	234	43	110	19	2,32
854.210.075 S	5705499403862	75	Ø185	245	70	145	21	3,45
854.310.040 S	5705499413236	40	Ø165	150	55	125	18	2,60
854.310.050 S	5705499403893	50	Ø165	192	51	125	21	2,80
854.310.110 S	5705499403909	110	Ø220	259	107	180	23	5,15

ANSI FLANGE ADAPTOR TYPE 854.025

WITH SOCKET AND FLANGE ANSI B16.5

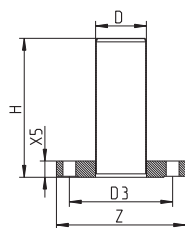


Type no.	EAN no.	D	Z.	H.	D3	X	X5	Kg
854.025.040 S	5705499413243	40	Ø152	292	121	250	19	2,56
854.025.050 S	5705499409871	50	Ø152	297	121	255	20	2,52
854.025.075 S	5705499409888	75	Ø191	305	153	255	24	4,72
854.025.110 S	5705499409895	110	Ø229	312	191	255	24	6,14
854.025.160 S	5705499409901	160	Ø279	328	242	255	24	6,50

- Adaptors

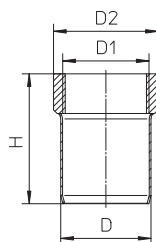
ANSI FLANGE ADAPTOR TYPE 854.035

WITH SPIGOT AND FLANGE ANSI B16.5



Type no.	EAN no.	D	Z	H	D3	X5	Kg
854.035.040 S	5705499413250	40	Ø152	200	121	19	2,56
854.035.050 S	5705499127591	50	Ø152	197	121	19	2,39
854.035.075 S	5705499127607	75	Ø191	205	152	24	4,52
854.035.110 S	5705499127614	110	Ø229	212	191	24	5,85

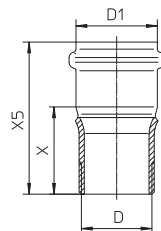
FEMALE ADAPTOR TYPE 885.0



Type no.	EAN no.	D	D1	H	D2	Kg
885.032.040 S	5705499403954	40	1¼	70	45	0,20
885.040.040 S	5705499403947	40	1½	73	57	0,20
885.025.050 S	5705499403435	50	1	93	40	0,18
885.032.050 S	5705499403459	50	1¼	72	48	0,17
885.040.050 S	5705499403466	50	1½	72	58	0,19
885.050.050 S	5705499403473	50	2	77	67	0,22

D1 specified in inches ("). BSP thread.

MALE ADAPTOR TYPE 886.0

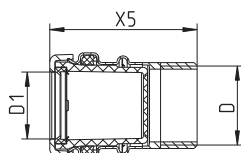


Type no.	EAN no.	D	D1	X	X5	Kg
886.050.032	5705499410693	1¼	50	55	97	0,25
886.050.040 S	5705499403497	1½	50	56	98	0,23
886.050.050 S	5705499403503	2	50	56	98	0,27

D specified in inches ("). BSP thread.

ADAPTOR TYPE 880

FOR SHOWER DRAINS PRODUCED BEFORE 1998

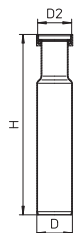


Type no.	EAN no.	D	D1	X5
880.032.000	5705499114331	1¼	32	73

D specified in inches ("). BSP thread.

- Adaptors

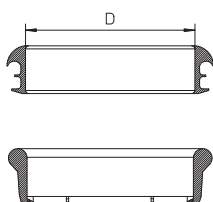
PIPE WITH 1½" SWIVEL NUT TYPE 851



Type no.	EAN no.	D	H.	D2
851.025.040 S	5705499409765	50	205	1½

D2 specified in inches ("). BSP thread.

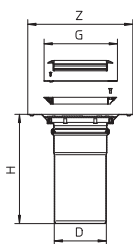
RUBBER INSERT TYPE 803



Type no.	EAN no.	D	Kg
803.MEN.075	5705499400144	75	0,14
803.MEN.110	5705499400151	110	0,20
803.MEN.160	5705499400168	160	0,26

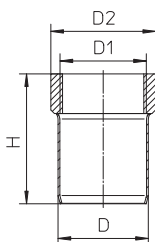
PENETRATION TYPE 865

FOR VINYL FLOORS



Type no.	EAN no.	D	Z.	G	H.
865.155.110	5705499403411	110	Ø222	Ø155	231

FEMALE ADAPTOR TYPE 885.1

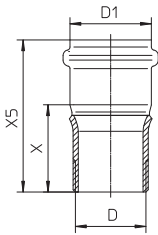


Type no.	EAN no.	D	D1	H	D2
885.125.050 S	5705499413618	50	1	92	39
885.132.040 S	5705499413588	40	1¼	73	48
885.132.050 S	5705499413601	50	1¼	73	48
885.140.040 S	5705499413571	40	1½	74	54
885.140.050 S	5705499413595	50	1½	73	54
885.150.050 S	5705499413625	50	2	83	66
885.175.075 S	5705499413632	75	3	95	94

D1 specified in inches ("). NPT thread.

- Adaptors

MALE ADAPTOR TYPE 886.1

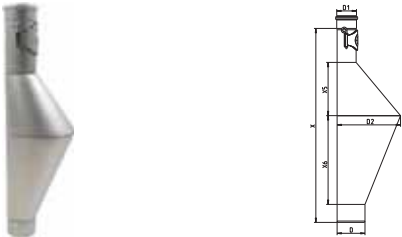


Type no.	EAN no.	D	D1	X	X5
886.150.032 S	5705499413656	1¼	50	58	100
886.150.040 S	5705499413649	1½	50	58	100
886.150.050 S	5705499413663	2	50	57	99

D specified in inches ("). NPT thread.

- Rat stops

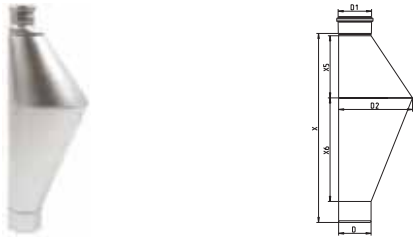
RAT STOP WITH ACCESS TYPE 891



Type no.	EAN no.	D	D1	D2	X	X5	X6
891.075.110	5705499413472	110	75	250	764	210	350
891.110.110	5705499413489	110	110	250	814	210	350
891.125.125	5705499413496	125	125	250	836	210	350

For non pressurized system

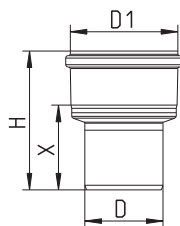
RAT STOP WITHOUT ACCESS TYPE 892



Type no.	EAN no.	D	D1	D2	X	X5	X6
892.075.110	5705499123425	110	75	250	678	210	350
892.110.110	5705499123432	110	110	250	640	210	350

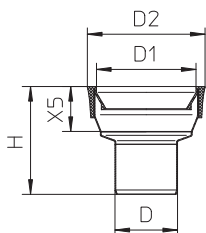
- Toilet adaptors

TOILET ADAPTOR STRAIGHT TYPE 855.000



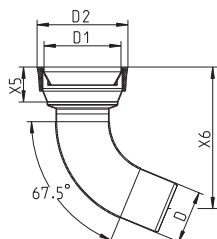
Type no.	EAN no.	D	D1	H.	X	Kg
855.000.082 S	5705499412116	82	110	147	90	0,41

TOILET ADAPTOR STRAIGHT TYPE 855.090



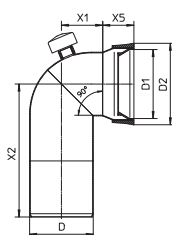
Type no.	EAN no.	D	D1	H.	D2	X5	Kg
855.090.075 S	5705499403299	75	110	129	141	54	0,42
855.090.082 S	5705499412123	82	110	136	141	54	0,51
855.090.110 S	5705499403305	110	110	124	141	54	0,39

TOILET ADAPTOR 68° TYPE 856



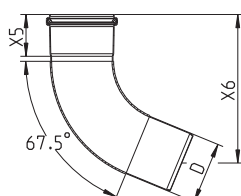
Type no.	EAN no.	D	D1	D2	X5	X6	Kg
856.090.082	5705499412130	82	110	141	54	220	1,26

TOILET ADAPTOR 90° TYPE 857



Type no.	EAN no.	D	D1	D2	X1	X2	X5	Kg
857.090.110	5705499403336	110	110	141	71	230	54	1,33

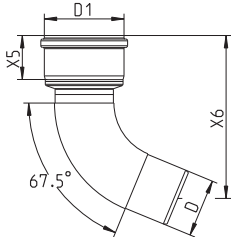
TOILET ADAPTOR 68° TYPE 858.068



Type no.	EAN no.	D	X5	X6	Kg
858.068.082	5705499123487	82	55	197	0,86

- Toilet adaptors

TOILET ADAPTOR 68° TYPE 858.090

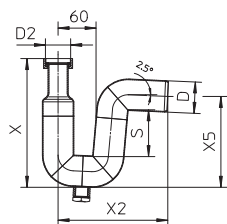


Type no.	EAN no.	D	D1	X5	X6	Kg
858.090.082	5705499412147	82	110	62	230	1,12

Water traps

P-TRAP 87.5° TYPE 525

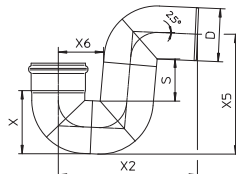
WITH COUPLING AND DRAIN PLUG



Type no.	EAN no.	D	S	D2	X	X2	X5
525.032.050 S	5705499114065	50	74	1¼	205	175	145
525.040.050 S	5705499114072	50	74	1½	205	175	145
525.050.050 S	5705499114089	50	74	2	205	175	145

D2 specified in inches ("). BSP thread.

P-TRAP 87.5° TYPE 525.090



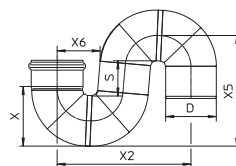
Type no.	EAN no.	D	S	X	X2	X5	X6
525.090.050 S	5705499101461	50	74	67	175	145	60
525.090.075 S	5705499101478	75	81	93	222	189	74
525.090.110 S	5705499101485	110	89	132	289	249	94
525.090.125 S	5705499117974	125	110	158	330	292	102
525.090.160 S	5705499101492	160	105	187	388	338	121

FLOW RATES FOR P-TRAP 87.5° TYPE 525.090

Type no.	EAN no.	Max Flow (l/s)
525.090.050 S	5705499101461	1.7
525.090.075 S	5705499101478	2.5
525.090.110 S	5705499101485	3.4
525.090.125 S	5705499117974	4.4
525.090.160 S	5705499101492	7.5

Accurate flow rate depending on installation.

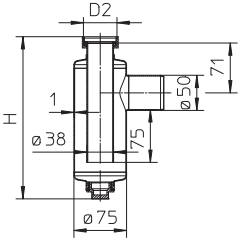
S-TRAP 180° TYPE 525.180



Type no.	EAN no.	D	S	X	X2	X5	X6
525.180.050 S	5705499114096	50	74	67	166	145	60
525.180.075 S	5705499114102	75	81	93	217	190	74
525.180.110 S	5705499114119	110	89	132	292	249	94
525.180.160 S	5705499114126	160	105	187	394	342	122

Water traps

BOTTLE WATER TRAP TYPE 505

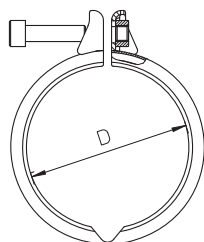


Type no.	EAN no.	H	D2
505.032.050 S	5705499101447	250	1¼
505.040.050 S	5705499101454	233	1½
505.050.050 S	5705499114058	243	2

75 mm water seal. D2 specified in inches ("). BSP thread.

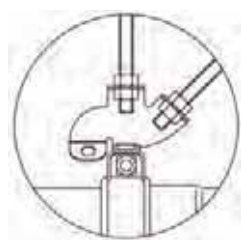
Clamps

PIPE JOINT CLAMP TYPE 847



Type no.	EAN no.	D
847.040.040	5705499413090	40
847.050.050	5705499412420	50
847.075.075	5705499412437	75
847.082.082	5705499121322	82
847.110.110	5705499412444	110
847.125.125	5705499412451	125
847.160.160	5705499412468	160
847.200.200	5705499412475	200
847.250.250	5705499121773	250

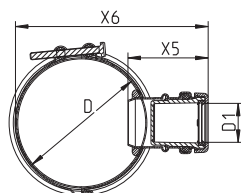
CROSS RAKING FIXING FOR PIPE JOINT CLAMP TYPE 847



Type no.	EAN no.
847.000.000	5705499409628

To be used with pipe joint clamp type 847.

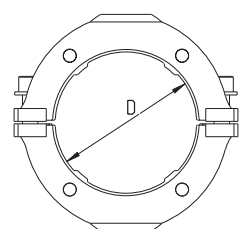
SADDLE CLAMP TYPE 890



Type no.	EAN no.	D	D1	X5	X6
890.075.040	5705499104776	75	32	68	126
890.075.050	5705499104837	75	50	70	124
890.110.040	5705499104806	110	32	68	163
890.110.050	5705499104813	110	50	70	159

D=32mm fits D=40mm as well.

PRESSURE PEAK PIPE JOINT CLAMP TYPE 847.001



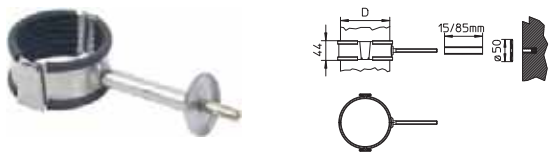
Type no.	EAN no.	D
847.001.040	5705499413106	40
847.001.050	5705499412499	50
847.001.075	5705499412505	75
847.001.082	5705499412512	82
847.001.110	5705499412529	110
847.001.125	5705499412536	125
847.001.160	5705499412543	160

If the system is designed to resist peak pressure then clamps must be fitted on all joints.

Pipework D=40mm - D=110mm can withstand brief pressure peak up to +10 bar and D=125mm - D=160mm up to +7 bar when fitted with pressure peak pipe joint clamps

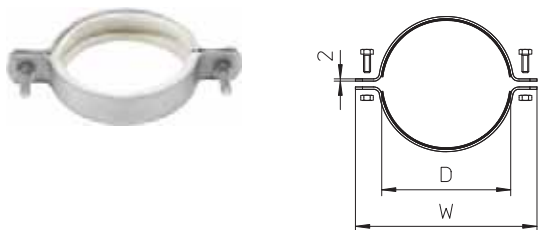
Pipe hangers

PIPE HANGER WITH TPE RUBBER TYPE 860



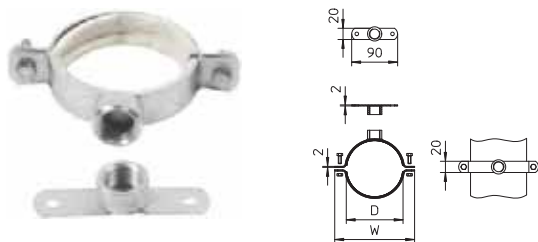
Type no.	EAN no.	D
860.040.050	5705499403350	50
860.040.075	5705499403367	75
860.040.110	5705499403374	110
860.040.160	5705499403381	160

PIPE HANGER WITH EPDM RUBBER TYPE 895.000



Type no.	EAN no.	D	W
895.000.050 GS	5705499403510	50	101
895.000.075 GS	5705499403527	75	126
895.000.110 GS	5705499403534	110	161
895.000.160 GS	5705499403541	160	211

PIPE HANGER WITH EPDM RUBBER TYPE 895.012



Type no.	EAN no.	D	W
895.012.040 GS	5705499413113	40	90
895.012.050 GS	5705499403558	50	101
895.012.075 GS	5705499403565	75	126
895.012.110 GS	5705499403572	110	161
895.012.160 GS	5705499403589	160	211

With 1/2" BSP thread.

PIPE HANGER WITH EPDM RUBBER TYPE 895.200



Type no.	EAN no.	D	H5.	W
895.200.040 S	5705499413120	40	38	90
895.200.050 S	5705499410747	50	38	101
895.200.075 S	5705499410754	75	54	126
895.200.110 S	5705499410761	110	52	161
895.200.160 S	5705499410778	160	71	211

PIPE HANGER WITH EPDM RUBBER TYPE 895.300

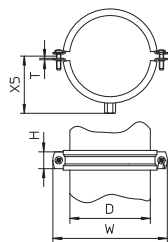


Type no.	EAN no.	D	W
895.300.040 GS	5705499413137	40	90
895.300.050 GS	5705499403633	50	101
895.300.075 GS	5705499403640	75	126
895.300.110 GS	5705499403657	110	161
895.300.160 GS	5705499403664	160	211

Pipe hangers

PIPE HANGER WITH EPDM RUBBER TYPE 895.401

IN GALVANIZED STEEL

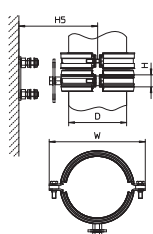


Type no.	EAN no.	D	H.	W	X5	T	Nut
895.401.040	5705499413144	40	20	83	41	1.25	M8/M10
895.401.050	5705499128024	50	20	97	49	1.25	M8/M10
895.401.075	5705499128031	75	23	122	61	2	M8/M10
895.401.110	5705499128048	110	23	157	78	2	M8/M10
895.401.125	5705499128055	125	23	169	84	2	M8/M10
895.401.160	5705499128062	160	25	233	108	3	M8/M10
895.401.200	5705499128079	200	25	273	122	3	M10
895.401.250	5705499128086	250	38	345	163	4	M16
895.401.315	5705499135312	315	48	414	198	5	M16

D=75mm fits D=82mm as well.

PIPE HANGER WITH EPDM RUBBER TYPE 895.402

IN GALVANIZED STEEL



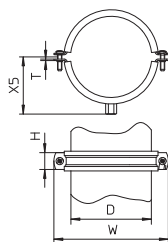
Type no.	EAN no.	D	H.	H5	W
895.402.040	5705499413151	40			
895.402.050	5705499128093	50	25	52-62	125
895.402.075	5705499128109	75	25	83-96	154
895.402.110	5705499128116	110	25	100-110	176
895.402.125	5705499128123	125	25	108-118	199
895.402.160	5705499128130	160	25	127-137	234
895.402.200	5705499128147	200	25	152-162	274
895.402.250	5705499128154	250			

Reducing noise transmission to the building.

D=75mm fits D=82mm as well.

PIPE HANGER WITH EPDM RUBBER TYPE 895.403

IN STAINLESS STEEL

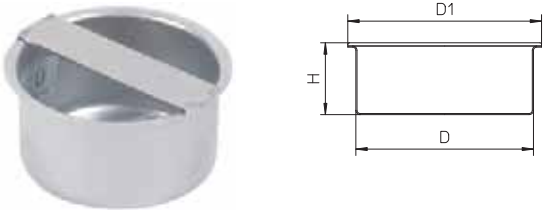


Type no.	EAN no.	D	H.	W	X5	T	Nut
895.403.040 S	5705499413168	40	20	85	32	1.5	M8
895.403.050 S	5705499128161	50	20	97	41	1.5	M8
895.403.075 S	5705499128178	75	20	118	51	2	M8
895.403.110 S	5705499128185	110	20	158	72	2.5	M10
895.403.125 S	5705499128192	125	20	170	78	2.5	M10
895.403.160 S	5705499128208	160	25	233	101	2.5	M10
895.403.200 S	5705499128215	200	25	273	123	3	M10
895.403.250 S	5705499128222	250	25	317	142	2.5	M10

D=75mm fits D=82mm as well.

Plugs

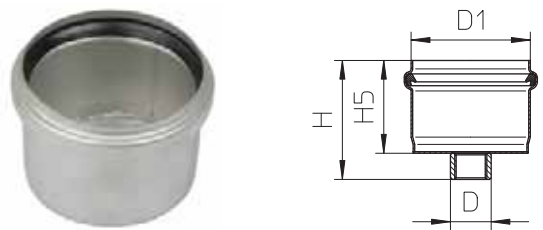
SOCKET PLUG TYPE 844.000



Type no.	EAN no.	D	D1	H.
844.000.040 S	5705499413175	40	50	47
844.000.050 S	5705499402933	50	58	50
844.000.075 S	5705499402940	75	85	45
844.000.110 S	5705499402957	110	120	45
844.000.125 S	5705499412222	125	135	43
844.000.160 S	5705499402964	160	170	45
844.000.200 S	5705499412239	200	210	50
844.000.250 S	5705499123654	250	265	65

Use of pipe joint clamp type 847 is necessary if any pressure in the pipe system is expected.

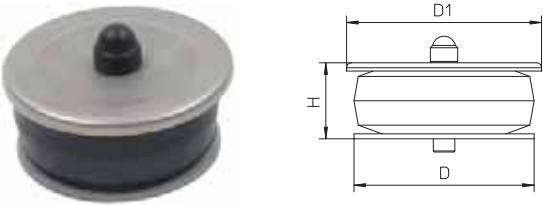
SOCKET PLUG TYPE 844



Type no.	EAN no.	D	D1	H.	H5.
844.069.050	5705499409567	½	50	67	50
844.082.075	5705499409574	½	75	78	61
844.087.110	5705499409581	½	110	84	67

D specified in inches ("). BSP thread.

SOCKET PLUG TYPE 844.100



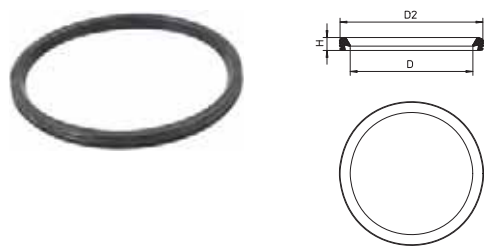
Type no.	EAN no.	D	D1	H.
844.100.050 S	5705499411393	50	59	31
844.100.075 S	5705499411409	75	83	36
844.100.082 S	5705499412109	82	90	36
844.100.110 S	5705499411416	110	118	36
845.000.160 S	5705499403008	160	170	45

Use of pipe joint clamp type 847 is recommended if the pressure in the pipe system is expected to exceed 0.5 bar for D<110mm and 0.3 bar for D=110mm.

Sealing rings

EPDM LIP SEALING RING BLACK TYPE 801

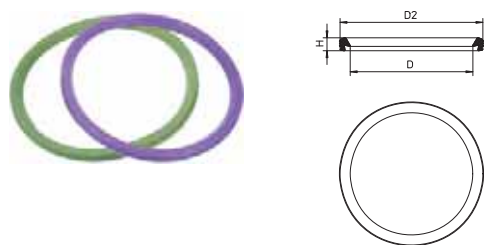
FOR STANDARD USE



Type no.	EAN no.	D	H	D2
801.EPDM.032	5705499403923	32	6.0	39.5
801.EPDM.040	5705499403930	40	7.8	51.7
801.EPDM.050	5705499400038	50	7.8	61.8
801.EPDM.075	5705499400045	75	7.8	87.1
801.EPDM.082	5705499123524	82	8.0	93
801.EPDM.110	5705499400069	110	8.9	124.2
801.EPDM.125	5705499408096	125	10.2	142.3
801.EPDM.160	5705499400076	160	11.5	180.1
801.EPDM.200	5705499410785	200	12.8	223.8
801.EPDM.250	5705499121704	250	19	282
801.EPDM.315	5705499413700	315	20	350

FPM LIP SEALING RING TYPE 801

FOR HIGH TEMPERATURES



Type no.	EAN no.	D	H	D2
801.FPM.040	5705499413458	40	7.8	51.7
801.FPM.050	5705499408102	50	7.8	61.8
801.FPM.075	5705499408119	75	7.8	87.1
801.FPM.110	5705499408126	110	8.9	124.2
801.FPM.125	5705499410792	125	10.2	142.3
801.FPM.160	5705499408133	160	11.5	180.1
801.FPM.200	5705499410808	200	12.8	223.8
801.FPM.250	5705499121728	250	19	282

NBR LIP SEALING RING BLACK/YELLOW TYPE 801

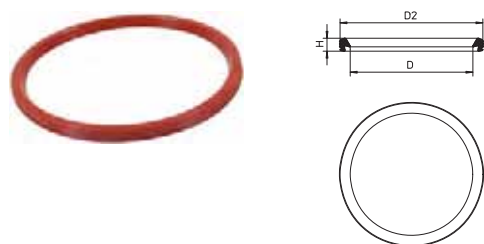
FOR USE WITH OIL



Type no.	EAN no.	D	H	D2
801.NBR.040	5705499413182	40	7.8	51.7
801.NBR.050	5705499400106	50	7.8	61.8
801.NBR.075	5705499400113	75	7.8	87.1
801.NBR.110	5705499400120	110	8.9	124.2
801.NBR.125	5705499410815	125	10.2	142.3
801.NBR.160	5705499400137	160	11.5	180.1
801.NBR.200	5705499410822	200	12.8	223.8
801.NBR.250	5705499121711	250	19	282
801.NBR.315	5705499413724	315	20	350

SI LIP SEALING TYPE 801

FOR USE IN FIRE-APPROVED PRODUCTS



Type no.	EAN no.	D	H	D2
801.SI.040	5705499413199	40	7.8	51.7
801.SI.050	5705499408140	50	7.8	61.8
801.SI.075	5705499408157	75	7.8	87.1
801.SI.110	5705499408164	110	8.9	124.2
801.SI.160	5705499408171	160	11.5	180.1

MANUAL PIPE CUTTER

Cutting is done by a special disc cutter, which cuts and grips at the same time.

N.B.: Do not cut fittings.



Type no.	EAN no.	Designation
006.050.110	5705499000061	Manual pipe cutter (40 - 110 mm)
006.125.200	5705499001020	Manual pipe cutter (110 - 200 mm)
006.200.315	5705499123531	Manual pipe cutter (200 - 315 mm)
006.000.005	5705499000023	Spindle for 006.050.110
006.000.000	5705499000016	Cutting disc for 006.050.110
006.000.001	5705499001068	Cutting disc for 006.125.200 & 006.200.315

ELECTRICAL PIPE CUTTER

Cutting time:
Seconds.

Changeover time:
Changeover from one cutting disc to another can be effected within a matter of seconds.

Cutting quality:
The cutting motion has been developed to produce a bevelled leading edge to cut ends. As a result only the application of BLÜCHER jointing lubricant is required prior to jointing cut ends.

Power supply:
110 Volt/Min 2 kVA/60 Hz or 220 Volt/50 Hz.

Pipe diametres:
50-160 mm

N.B.: Do not cut fittings.



Type no.	EAN no.	Designation
800.050.160	5705499400021	Electrical pipe cutter 220 V
800.050.160 GB	5705499000184	Electrical pipe cutter 110 V, 16 A
800.050.160 US	5705499000191	Electrical pipe cutter 110 V, USA plug
800.030.006	5705499400014	Cutting disc
006.050.160	5705499124132	Support base for electrical pipe cutter

CUTTING OIL/JOINTING LUBRICANT

Jointing lubricant is applied to make jointing a simple action. After a few days the lubricant will dry out and lose its lubricity making subsequent demounting of a joint difficult. If subsequent demounting of joints can be envisaged then we can supply a silicone based lubricant that will not dry out. BLÜCHER jointing lubricant is based on a mild and harmless liquid detergent that is biologically degradable. BLÜCHER cutting oil is recommended for use with BLÜCHER® EuroPipe pipe cutters.



Type no.	EAN no.	Designation
007.000.000	5705499000078	Atomizer
007.100.050	5705499000085	Jointing lubricant 0.5 L
007.500.050	5705499000092	Cutting oil 0.5 L

ASSEMBLY TOOL



Type no.	EAN no.	Designation
806.000.160	5705499124149	For pipes D=160mm
806.000.200	5705499123500	For pipes D=200mm
806.000.250	5705499124156	For pipes D=250mm

DIMPLING JAWS

FOR PRESSING PROJECTIONS ON PIPES



Type no.	EAN no.
800.200.001	5705499403978

Stainless steel



Long product life

Fire resistant

Lightweight

Hygienic

Long product life

- Corrosion resistant
- Resistant to impact damages
- Resistant to temperature variations

Fire resistant

- Non combustible
- No need for special fire insulation
- No toxic fumes are released in case of fire

Light-weight

- Low weight - high strength
- Weight only one third of cast iron
- Large pipes are easily handled by one man

Hygienic

- Low surface roughness
- High flow capacity
- Smooth surface prevents bacterial growth
- Smooth surface prevents blockages

Available in stainless steel AISI304/EN 1.4301 or
AISI316L/EN 1.4404

Material properties of stainless steel

What is stainless steel?

The designation stainless steel covers a wide range of alloys with different properties. One property common to all stainless steels is that they contain at least 12% chromium.

The stainless steels can be divided into three main groups and a few mixed types according to the structure of the steel:

- Austenitic stainless steel
- Ferritic stainless steel
- Martensitic stainless steel

Austenitic stainless steel is the most important, representing approx. 90% of total stainless steel consumption. Austenitic steel is also the only stainless steel suitable for drainage installations, and it is, of course, the type used by BLÜCHER.

Importance of alloying elements

Austenitic stainless steel contains at least 18% chromium and 8% nickel – thus the well-known designation »18/8« steel. Corrosion resistance generally increases with increasing content of chromium. In alloys with 12-13% chromium, the passive layer is strong enough to prevent the steel from corroding in normal or mildly aggressive media. The main effect of the alloying element nickel is on the structure of the steel and its mechanical properties. The steel's structure is austenitic with an adequate content of nickel. In contrast to the pure chromium steels (ferritic stainless steel), this results in significant changes in the mechanical properties, such as increased workability and ductility, better resistance to thermal stress and improved weldability. The austenitic structure also results in a change in the physical properties of the steel. For example, the steel is not magnetic and has higher thermal conductivity.

Material Specification

Material	AISI 316 L 1.4404	AISI 304 1.4301
Analysis		
Carbon (C %)	Max. 0,03	Max. 0,07
Chromium (Cr %)	16,5 - 18,5	17,0 - 19,0
Nickel (Ni %)	11,0 - 14,0	8,5 - 10,5
Molybdenum (Mo %)	2,0 - 2,5	-
Manganese (Mn %)	Max. 2,0	Max. 2,0
Silicium (Si %)	Max. 1,0	Max. 1,0
Sulphur (S %)	Max. 0,030	Max. 0,030

Physical Properties

Structure	Austenitic (nonmagnetic)	Austenitic (nonmagnetic)
State	Non-annealed	
Specific gravity (g/cm ³)	7,98	7,9
Melting point (°C)	Ca. 1400	Ca. 1400
Decortication temperature in air (°C)	800 - 860	800 - 860
Expansion coefficient 20 - 100 °C (m/m · °C)	16,5 x 10 ⁻⁶	16,5 x 10 ⁻⁶
Specific resistance (20° C) (Ohm · mm ² /m)	0,75	0,73
Heat conductivity (20° C) (W/°C-m)	15	15
Specific heat (J/g · K)	0,5	0,5

Mechanical Properties

Ultimate tensile strength (Rm) (N/mm ²)	490 - 690	500 - 700
Yield point (Rp02) (N/mm ²)	190	195
Modulus of elasticity (E) (20° C) (N/mm ²)	2,0 x 10 ⁵	2,0 x 10 ⁵
Hardness Brinell (HB) (N/mm ²)	120 - 180	130 - 180

Nickel also increases resistance to corrosion caused by certain media. Molybdenum has the same effect on the structure as chromium, but it also has a strongly positive influence on corrosion resistance. Molybdenum-containing steel is normally designated »acid-resistant« because of the resistance of these steels to certain types of acids. But acid-resistant stainless steel will also have limited resistance to some media such as chlorine-containing media (see table of resistance).

Why is steel »stainless«?

The addition of chromium to the steel results in the formation of a passivating oxide film with a high content of chromium oxides. This oxide film protects the surface of the steel against oxygen in air and water. An outstanding property of stainless steel is that the chromium oxide film automatically regenerates if the surface of the steel is exposed.

This restitution of the oxide film can only occur if the surface of the steel is completely clean and free of tempering agents and slag from welding processes and residues from tools made from ordinary carbon steel.

If this surface contamination is not removed, the steel may ultimately corrode. To prevent this, the steel surfaces should be cleaned after welding and processing, e.g. by means of so-called acid pickling of the stainless steel.

The pickling effectively removes all impurities from the surface of the steel and permits the reestablishment of a strong, uniform chromium oxide film. The pickling bath normally consists of 0.5-5% v/v HF (hydrofluoric acid) and 8-20% v/v HNO₃ (nitric acid) at a temperature of 25-60°C. This acid bath removes residues, the existing chromium oxide film and traces of iron, leaving the clean steel surface. The restitution of a strong chromium oxide film starts in the subsequent rinsing in water.

CHEMICAL RESISTANCE TABLE

The table is based on laboratory experiments with chemically pure sub-stances. The values should therefore be regarded as for guidance only.

A = Very good service to operating limit of material B = Moderate service C = Limited or variable service D = Unsatisfactory	AISI 316 L Stainless	AISI 304 Stainless	EPDM	NBR	PPM
Acetone	A	A	A	D	D
Acetic acid (dilute.) 30% or 50%	A	A	A	B	B
Acetic acid 100%	A	A	A	C	C
Acetic anhydride	A	A	B	C	D
Aluminium chloride	D	D	A	A	A
Aluminium sulfate	A	D	A	A	A
Ammonium carbonate	A	A	A	D	-
Ammonium chloride/salmiac	B	C	A	A	-
Ammonium hydroxide	A	A	A	D	B
Amyl chloride	A	A	-	-	-
Aniline	A	A	B	D	C
Anilin hydrochloride	D	D	B	B	B
Barium chloride	B	B	A	A	A
Barium hydroxide	A	A	A	A	A
Benzaldehyde	A	A	A	D	D
Benzene	A	A	D	D	A
Benzoic acid	A	A	-	-	A
Borax/sodium borat	A	A	A	B	A
Boric acid	A	A	A	A	A
Bromine	D	D	-	-	A
Bromine chloride	D	D	A	B	A
Bromoethylene/vinyl bromide	A	A	-	-	-
Butanol	A	A	D	A	A
Butyl acetat	A	A	B	-	D
Butyric acid	A	A	-	-	-
Calcium bisulfate	A	A	D	A	A
Calcium chloride	B	B	A	A	A
Calcium hydroxide	A	A	A	A	A
Calcium hypochlorite	B	C	A	C	A
Carbon disulfide	A	A	-	-	-
Carbon tetrachloride	A	A	D	C	A
Chloroacetic acid (Mono)	D	D	B	-	-
Chlorine (dry)	A	A	-	-	A
Chlorobenzene	A	A	D	D	A
Chlorosulfonic acid	B	C	D	D	C
Copper chloride	B	B	A	A	A
Copper nitrate	A	A	-	-	-
Copper sulfate	A	A	A	A	A
Ether	A	A	-	-	-
Ethyl chloride	A	A	A	A	A
Fatty acid	A	A	D	B	A
Fluorine (dry)	A	A	-	-	-
Hydrofluoric acid	D	D	B	D	A
Formaldehyde	A	A	A	B	A
Formic acid	A	A	A	B	C
Furfural	A	A	B	D	D
Gallic acid	A	A	B	B	A
Hydrobromic acid	D	D	A	D	A
Hydrochloric acid	D	D	A	D	A
Hydrogen peroxide	A	A	C	D	B
Iodine (wet)	D	D	-	-	-
Kloroform	B	B	D	D	A
Lead acetate	A	A	A	B	-
Magnesium chloride	B	B	A	A	A

VALUES TO BE REGARDED AS FOR GUIDANCE ONLY

Assumptions: 20°C room temperature

References

Corrosion Data Survey, 1969 Edition, Nace
Corrosion Tables, Stainless Steels, 1979, Jernkontoret
Chemical Resistance of Plastic Piping Materials, Cabot Corporation, 1979

A = Very good service to operating limit of material B = Moderate service C = Limited or variable service D = Unsatisfactory	AISI 316 L Stainless	AISI 304 Stainless	EPDM	NBR	PPM
Magnesium sulfate	A	A	A	A	A
Mercury	A	A	A	A	A
Methanol	A	A	A	A	C
Methyl chloride	A	A	C	D	A
Methylene chloride	B	B	D	D	B
Natphalene	A	A	D	D	A
Nickel chloride	B	B	A	A	A
Nickel sulfate	A	A	A	A	A
Nitric acid	C	C	C	D	A
Oxalic acid	C	C	A	B	A
Perchloric acid	D	D	B	-	A
Phosphoric acid	A	A	B	D	A
Picric acid	A	A	B	B	A
Potassium bromide	A	A	-	-	-
Potassium carbonate	A	A	-	-	-
Potassium chlorate	A	A	-	-	-
Potassium cyanide	A	A	A	A	A
Potassium hydroxide	A	A	A	B	B
Potassium nitrate	A	A	A	A	A
Potassium permanganate	A	A	-	-	-
Potassium sulfate	A	A	A	A	A
Potassium sulfide	A	A	-	-	-
Potassium chloride	B	B	A	A	A
Propylene dichloride	A	A	-	-	-
Silver nitrate	A	A	A	B	A
Soda (ash)/sodium	A	A	-	-	-
Sodium acetate	A	A	A	B	D
Sodium bicarbonate	A	A	A	A	A
Sodium bisulfate	A	C	-	-	-
Sodium bisulfite	A	A	A	A	A
Sodium bromide	B	B	-	-	-
Sodium chlorate	A	A	-	-	-
Sodium chloride	D	D	-	-	-
Sodium cyanide	A	A	A	A	A
Sodium fluoride	A	A	-	-	-
Sodium hydroxide	A	A	A	B	B
Sodium hypochlorite	D	D	B	B	A
Sodium nitrate	A	A	A	B	-
Sodium sulfate	A	A	A	A	A
Sodium sulfide	A	A	-	-	-
Sodium sulfite	A	A	-	-	-
Stannous chloride/tin chloride	B	C	B	A	A
Sulfur	A	A	A	D	A
Sulfur chloride	A	A	D	C	A
Sulfur dioxide	A	B	A	D	A
Sulfuric acid	D	D	B	D	A
Sulfurous acid	A	C	B	B	A
Thionyl chloride	A	A	D	-	A
Toluene/toluol	A	A	D	D	A
Trichloroethylene	A	A	D	C	A
Turpentine	A	A	D	A	A
Xylene/xytol	A	A	-	-	-
Zinc sulfate	A	A	-	-	-

VALUES TO BE REGARDED AS FOR GUIDANCE ONLY

PLEASE NOTE!

Concentration level, length of exposure, temperature and in particular the combination of several chemicals have a direct influence on the resistance of stainless steel to certain chemicals.
Each application should therefore be carefully reviewed to determine the suitability of stainless steel.

In particular, be careful with the use of hydrous cleaning agents containing compounds of chlorine.

Material properties of rubber seals

Rubber types

International designation	EPDM	NBR	FPM
Rubber type	Ethylene propene	Nitrile	Fluorine (Viton)
Nominal hardness IRHD	60 (+/-5)	60 (+/-5)	60(+/-5)
Colour	Black	Black/yellow dot	Purple (New: green)
Tensile strength MPa	≥ 10 N/mm ²	≥ 10 N/mm ²	≥ 8 N/mm ²
Elongation after fracture %	≥ 300%	≥ 300%	≥ 260%
Max. temperatur range	-35/+100° C	-30/+80° C	-25/+200° C

Resistance

Wearability	B	B	B
Resistance to mineral oil	D	A	A
Resistance to vegetable oil	B	A	A
Resistance to benzene/petrol	D	A	A
Resistance to aromatic compounds and hydrocarbons	D	B	A
Resistance to ketones	A	D	D
Resistance to ordinary diluted acids and alkalines	A	A	A
Resistance to ozone and weather stresses	A	C	A
Resistance to air diffusion	D	C	A

A = Very good service - B = Moderate service - C = Limited or variable service - D = Unsatisfactory

A lip sealing ring constitutes the seal between socket and spigot end. The lip sealing ring ensures quick and efficient jointing of the pipe system while providing a tight seal in case of both pressure and vacuum. BLÜCHER® sealing rings are available in three different rubber qualities.

EPDM This sealing ring is black and made of ethylene propene rubber. This is BLÜCHER's standard sealing ring and it is suitable for all rainwater and waste water installations where there is no oil or no petrol residues in the waste water. The EPDM lip seal is a good all-round rubber quality suitable for a wide range of applications.

NBR This sealing ring is black with a yellow spot and made from nitrile rubber and is the sealing ring to be used where there are petrol or oil residues on the waste water (e.g. in connection with oil and petrol separators at service stations, garages etc.).
The NBR lip seal should not be used where there is a risk of temperatures above 80°C. NBR is not resistant to solvents.

FPM This sealing ring is purple (New: green) and made from fluorine rubber (Viton®).
This is BLÜCHER's sealing ring for special applications. The material is particularly heat-resistant and resistant to oil, solvents and strong acids. However, the FPM seal has only limited resistance to e.g. butyl acetate, acetone and methyl alcohol.

For advice regarding the suitability of the different rubber qualities, consult BLÜCHER.



Load classes

Gratings

BLÜCHER gratings for **INDOOR** use are tested and classified according to EN 1253.



K 3 (3 kN) 300 kg Barefoot areas



L 15 (15 kN) 1.500 kg Light vehicular traffic in commercial premises, excl. fork-lift trucks



M 125 (125 kN) 12.500 kg Car parks, factories and workshops

BLÜCHER gratings for **OUTDOOR** use are tested and classified according to EN 1433.



A 15 (15 kN) 1.500 kg Pedestrian and pedal cyclists



B 125 (125 kN) 12.500 kg Footways, pedestrian areas, private car parks, car parking decks

Access covers

BLÜCHER access covers for **INDOOR** and **OUTDOOR** use are tested and classified according to EN 124.



A 15 (15 kN) 1.500 kg Pedestrian and pedal cyclists



B 125 (125 kN) 12.500 kg Footways, pedestrian areas, private car parks, car parking decks

Non-slip gratings

Gratings are non-slip tested according to DIN 51130

Approvals

BLÜCHER has own testing facilities and cooperates with internationally recognized independent institutes. At BLÜCHER we also play an active part in setting international standards.

The functionality of our products has been documented by test reports and approvals from international institutes such as Sitac (SE), LGA (DE), BBA (UK), VTT (FI), ETA (DK) etc.

All pipes and channels are CE marked.

For a complete list of all current product approvals we refer to www.blucher.com.

Furhermore, we use approved institutes for fire and sound testing, for instance DTI (DK) and Fraunhofer Institut (DE)

All production is carried out in Denmark in accordance with ISO 9001.

Maintenance

BLÜCHER stainless steel drainage products require only a minimum of maintenance.

The smooth, acid-pickled surface retains its uniform matt silver finish in most environments such as wet rooms, bathrooms and kitchens. However, in particularly demanding environments such as the food industry, laboratories, the chemical industry and agriculture, it may be necessary to clean the installation to avoid formation of coatings which can cause subsequent corrosion.

Cleaning can for instance be done by means of high pressure flushing. In some cases it may be necessary to use diluted citric acid. After use take care to rinse with plenty of water.

Please also notice that particularly aggressive and hazardous substances should be collected in containers and disposed of in another way and not through the drainage system.

Production

Excellent workmanship, common sense and the most sophisticated production technology are combined to ensure the highest quality in our products.



All BLÜCHER® products are tested for leakages before leaving the factory



The most modern piping machinery in Europe

Installation videos at www.blucher.com

As a supplement to the printed installation instructions for the BLÜCHER® products, installation videos are available at www.blucher.com (select the tab "Installation"). These comprise, among others:

BLÜCHER® EuroPipe

Introduction to use and applications



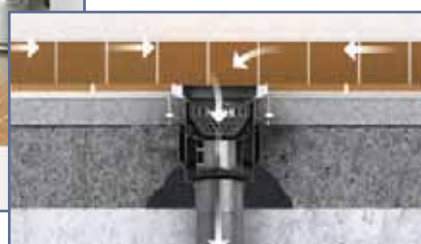
BLÜCHER® Drain Domestic

Light-duty shower drains



BLÜCHER® Drain Industrial

Heavy-duty floor drains



BLÜCHER® Channel

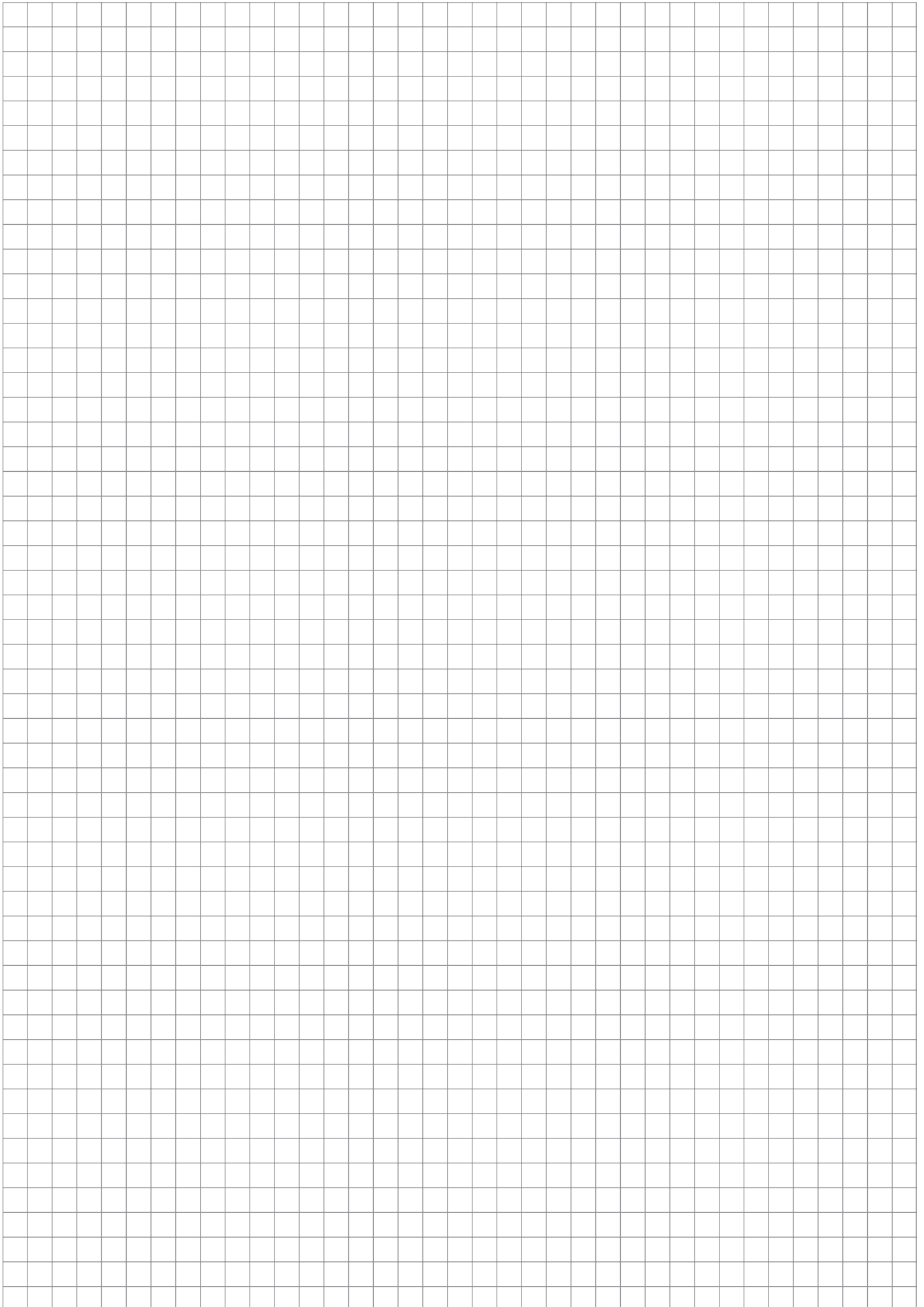
Linear drainage

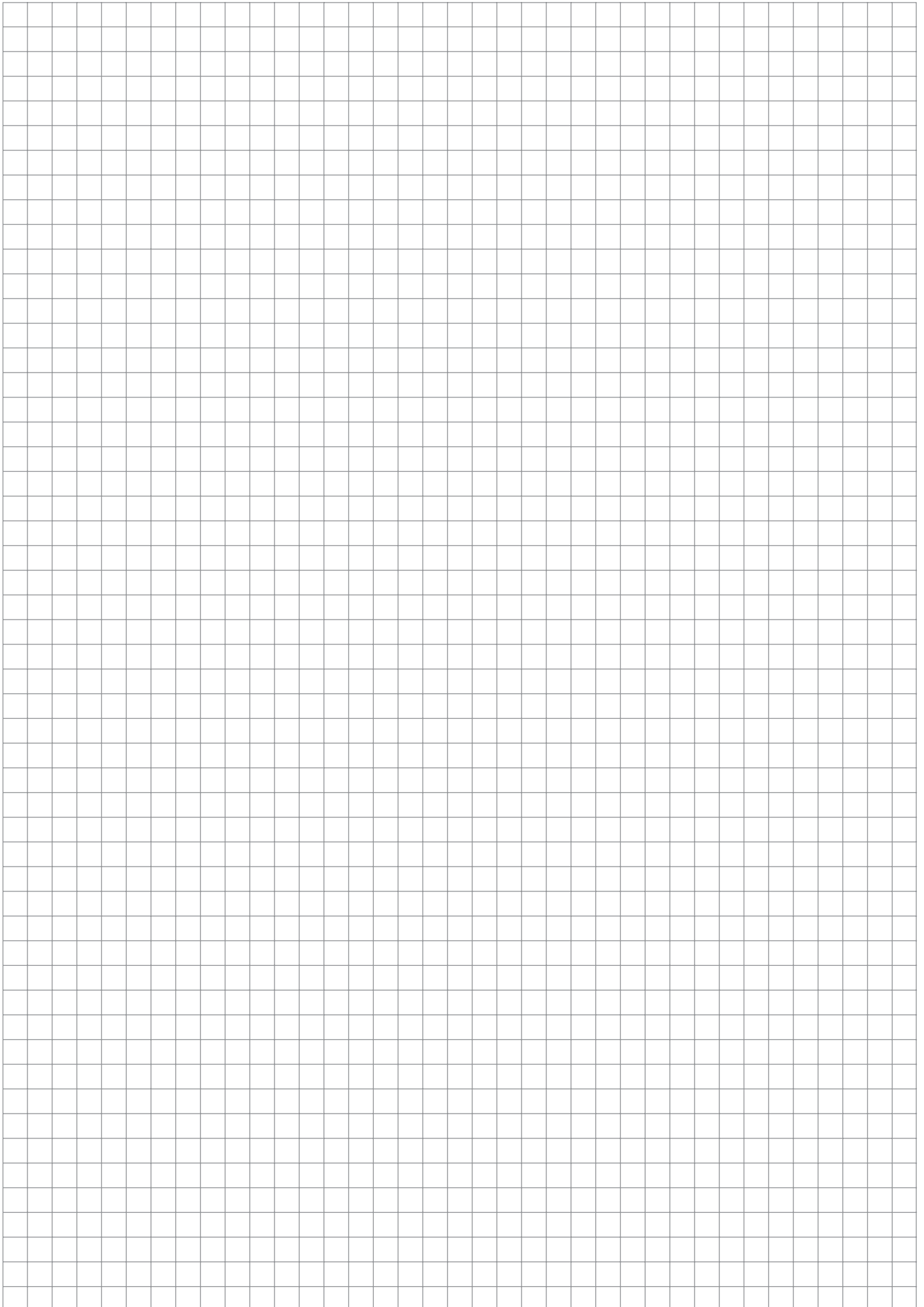


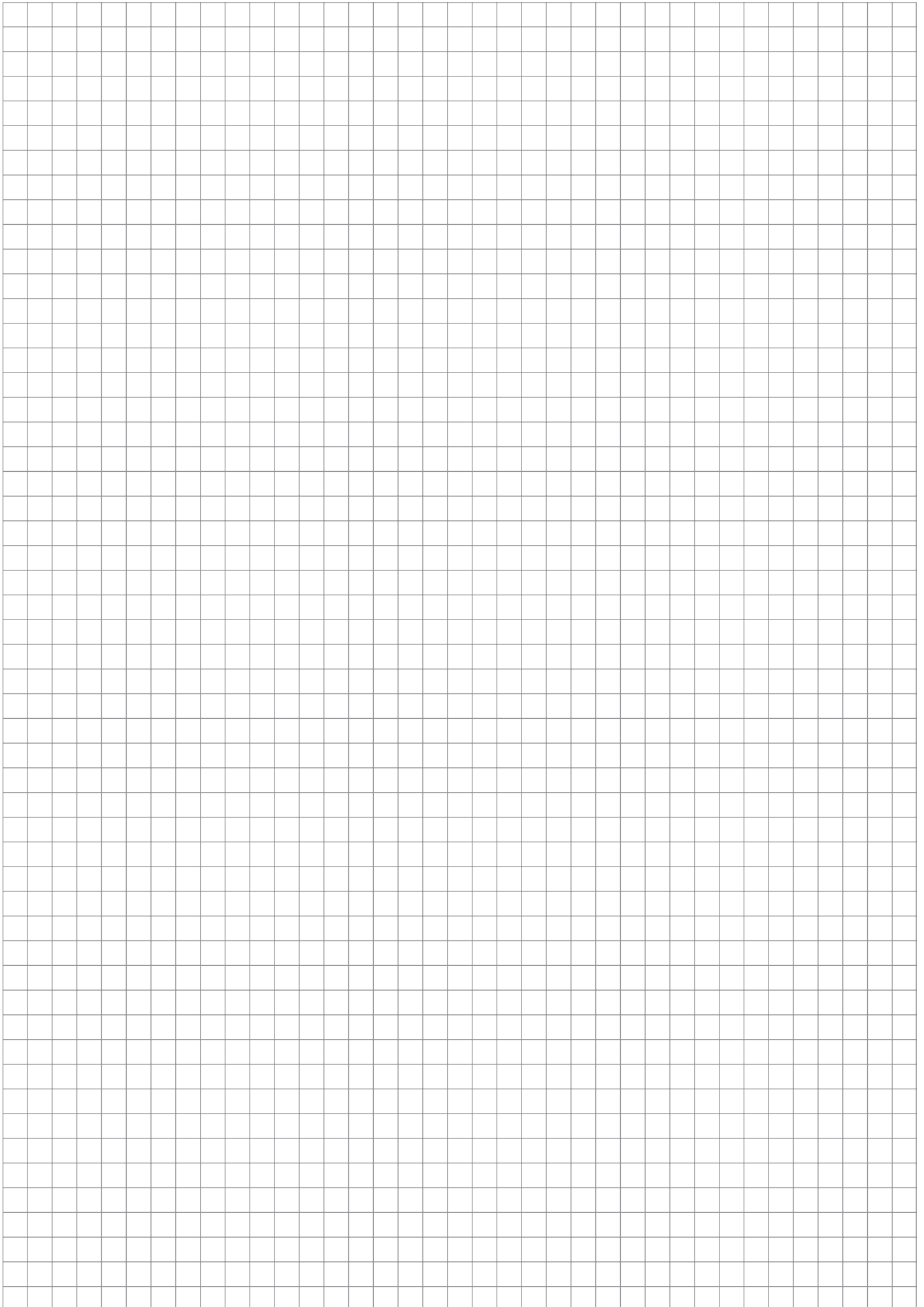
BLÜCHER® Roof Drainage System

Introduction to use and installation instructions









BLÜCHER®

At BLÜCHER® more than 300 employees create an annual turnover of more than 50 million euro.

Through know-how, dedicated service and common sense we develop, produce and market high quality stainless steel drainage solutions for customers within the housing, commercial, industrial and marine sectors all over the world.

Find your local BLÜCHER® specialist at www.blucher.com

BLÜCHER® EuroPipe

BLÜCHER® Channel

BLÜCHER® Drain



KEEPING UP THE FLOW