

# 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'Industri, 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.





**BLÜCHER® DRAIN DOMESTIC**

Presentation of shower drains. . . . . 1

Shower drains SQUARE for concrete and tiled floors without membrane. . . . . 4

Shower drains SQUARE for concrete and tiled floors with liquid membrane. . . . . 8

Shower drains SQUARE for concrete and tiled floors with sheet membrane. . . . . 12

Shower drains TRIO for concrete and tiled floors without membrane. . . . . 14

Shower drains TRIO for concrete and tiled floors with liquid membrane. . . . . 17

Shower drains TRIO for concrete and tiled floors with sheet membrane. . . . . 23

Shower drains CIRCLE for vinyl floors without membrane. . . . . 24

Lower parts for shower drains - without membrane flange. . . . . 28

Upper parts SQUARE for concrete and tiled floors. . . . . 29

Upper parts CIRCLE for resin floors. . . . . 31

Upper parts CIRCLE for vinyl floors. . . . . 32

Accessories for shower drains. . . . . 34

Mounting sets MULTI SQUARE for concrete and tiled floors. . . . . 44

Mounting sets MULTI CIRCLE for resin floors. . . . . 45

Mounting sets MULTI CIRCLE for vinyl floors. . . . . 46

Presentation of shower channel WaterLine. . . . . 47

Shower channel WaterLine for concrete and tiled floors without membrane. . . . . 50

Shower channel WaterLine for concrete and tiled floors with liquid membrane. . . . . 52

Shower channel WaterLine for concrete and tiled floors with sheet membrane. . . . . 54

Shower channel WaterLine for vinyl floors. . . . . 55

Accessories for WaterLine shower channels. . . . . 56

Cabin drains. . . . . 62



## BLÜCHER® DRAIN INDUSTRIAL

Presentation of industrial drains. . . . .	63
Industrial drains for concrete and tiled floors without membrane. . . . .	66
Industrial drains for concrete and tiled floors with liquid membrane. . . . .	70
Industrial drains for concrete and tiled floors with sheet membrane. . . . .	73
Industrial drains for resin floors. . . . .	75
Industrial drains for vinyl floors. . . . .	77
Industrial lower parts - without membrane flange. . . . .	79
Industrial lower parts - with liquid membrane flange. . . . .	81
Industrial lower parts - with sheet membrane flange. . . . .	82
Industrial upper parts for concrete and tiled floors. . . . .	83
Industrial upper parts for resin floors. . . . .	85
Industrial upper parts for vinyl floors. . . . .	86
Accessories for industrial drains. . . . .	87
Rodding eyes and gastight drains for concrete and tiled floors without membrane. . . . .	98
Rodding eyes and gastight drains for resin floors. . . . .	100
Rodding eyes and gastight drains for vinyl floors. . . . .	101
Upper parts for rodding eyes and gastight drains. . . . .	102
Accessories for rodding eyes and gastight drains. . . . .	104
Access covers. . . . .	105
Presentation of channels and kitchen channels. . . . .	106



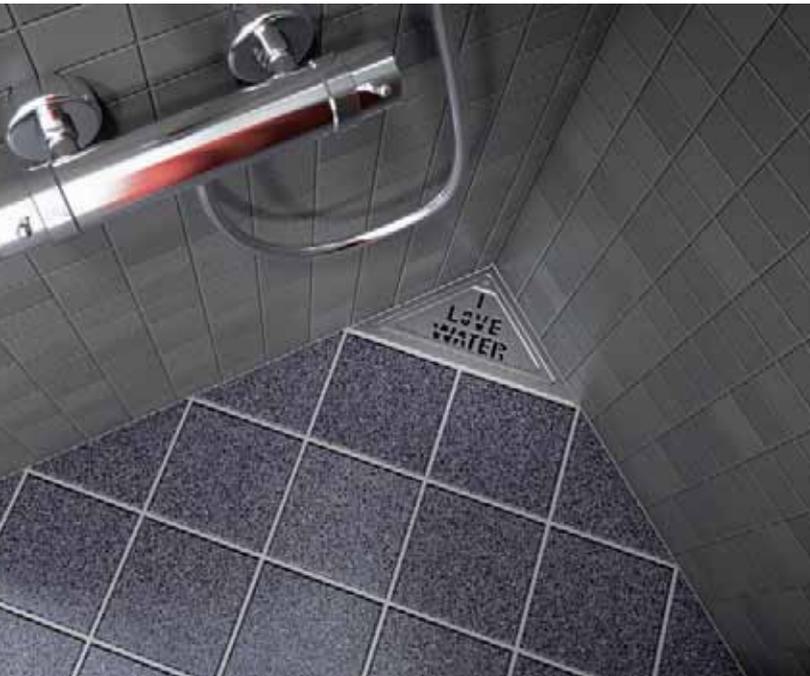
## BLÜCHER® EUROPIPE

Presentation of BLÜCHER® EuroPipe - pipe and fittings. . . . .	114
Pipes. . . . .	117
Fittings - Bends. . . . .	119
Fittings - Branches. . . . .	121
Fittings - Access pipes and bends. . . . .	124
Fittings - Sockets. . . . .	125
Fittings - Increases and reducers. . . . .	126
Fittings - Adaptors. . . . .	127
Fittings - Rat stops. . . . .	128
Fittings - Toilet adaptors. . . . .	129
Accessories. . . . .	130
Pipe cutters and other tools. . . . .	136

## Technical information

Information about material and maintenance. . . . .	138
---	-----

### Drains for housing and commercial applications



### Shower drains For tiled and vinyl floors Square, circular or triangular

#### Applications

For tiled and vinyl floors in:

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

#### Details

- Square, triangular 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

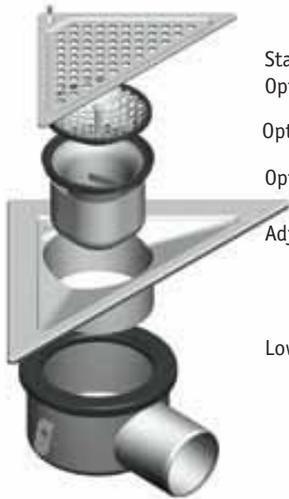
#### Series

- 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](http://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

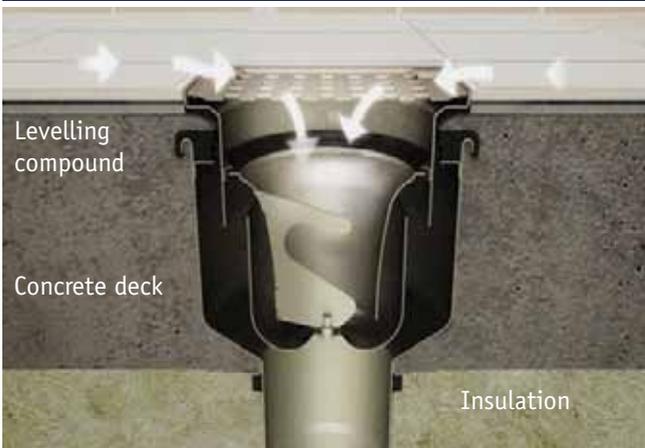
Removable water trap not included - to be ordered separately.

##### Other accessories

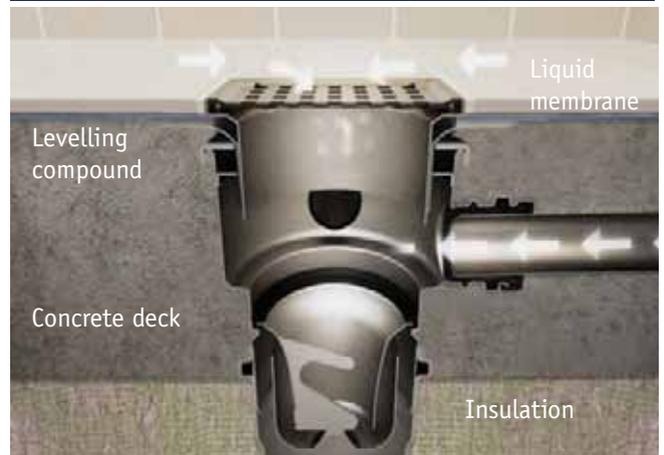
Other accessories such as filter basket not included - to be ordered separately. Most drains with side inlets come with inlet deflector.

# Installation examples

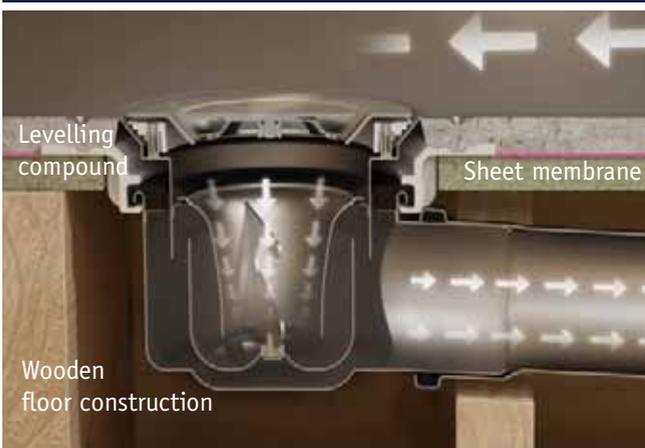
Concrete and tiles without membrane



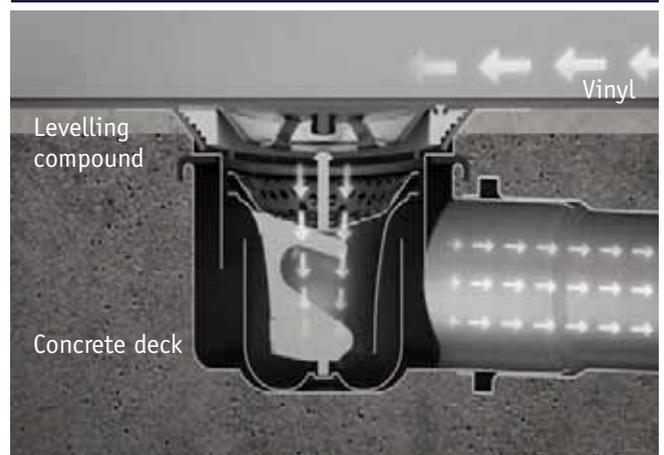
Concrete and tiles with liquid membrane



Concrete and tiles with sheet membrane



Vinyl



Two-part removable water trap



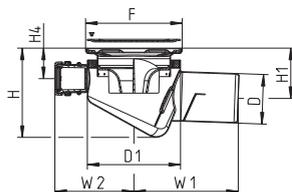
Due to its design the water trap has unique self-cleansing properties, and the slanted handle does not gather hair or dirt. Separable to facilitate cleaning. After cleaning, assemble the two parts by screwing them together tightly.

Installation videos available at [www.blucher.com](http://www.blucher.com)

without membrane

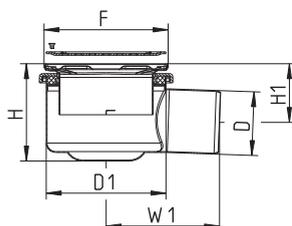
**ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 102**

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

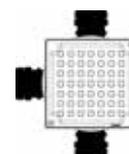
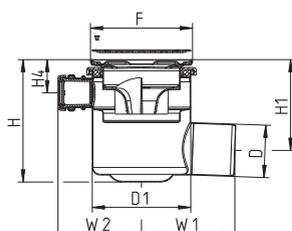
**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 110**



Type no.	EAN no.	D	D1	F	H	H1	W1
110.300.075	5705499104844	75	140	145x145	115-145	69-99	133

**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 111**

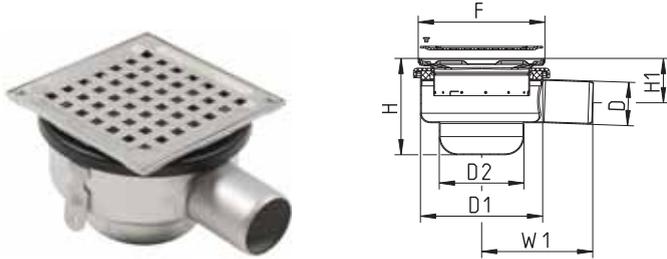
WITH SIDE INLETS



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

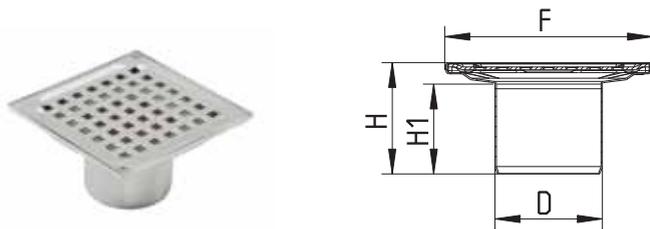
without membrane

**ADJUSTABLE SHOWER DRAIN SQUARE, 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

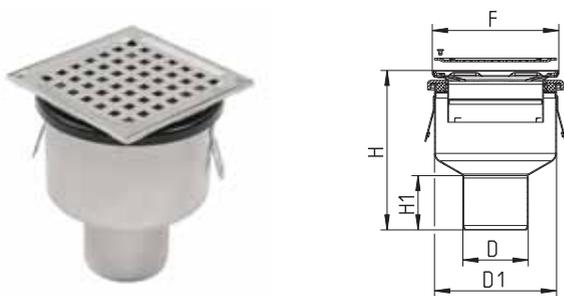
**SHOWER DRAIN SQUARE, LOW MODEL TYPE 140**



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

**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 150**

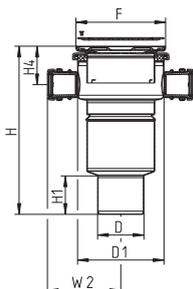


Type no.	EAN no.	D	D1	F	H	H1
150.300.050	5705499124279	50	140	145x145	189-219	58
150.300.075	5705499104882	75	140	145x145	185-215	63
150.300.110	5705499104905	110	140	145x145	152-182	79

without membrane

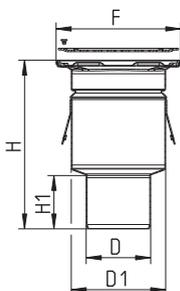
**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 151**

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

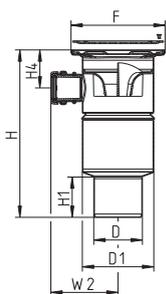
**SHOWER DRAIN SQUARE TYPE 160**



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

**SHOWER DRAIN SQUARE TYPE 161**

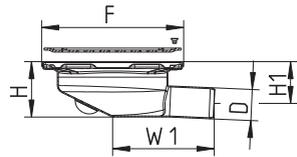
WITH SIDE INLETS



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**



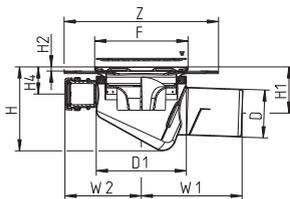
Type no.	EAN no.	D	F	H	H1	W1
181.300.032	5705499107364	32	145x145	57	43	104

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

with liquid membrane

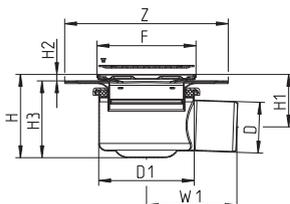
**ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 302**

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

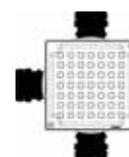
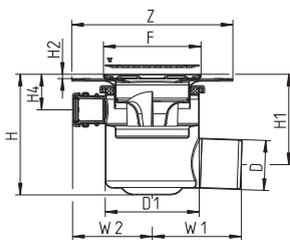
**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 310**



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

**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 311**

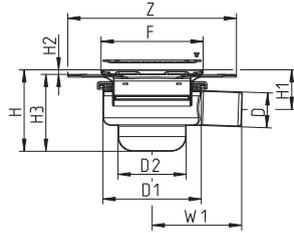
WITH SIDE INLETS



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

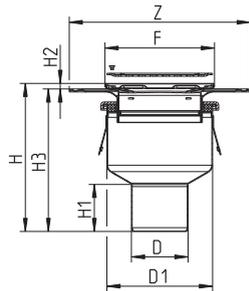
with liquid membrane

**ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 314**



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

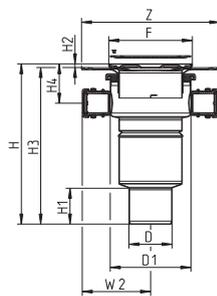
**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 350**



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

**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 351**

WITH SIDE INLETS

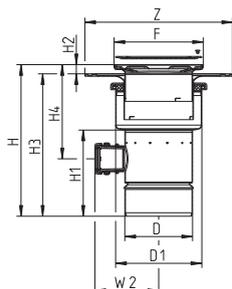


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
351.300.075	5705499105384	75	140	145x145	Ø240	280-310	63	6.5-21	274-289	69-99	119
351.300.110	5705499105407	110	140	145x145	Ø240	173-203	79	6.5-21	167-182	69-99	119

with liquid membrane

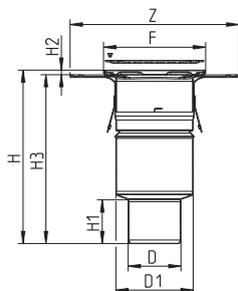
**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 355**

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

**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 360**

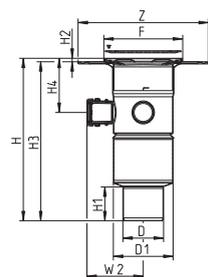


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3
360.300.075	5705499105506	75	110	145x145	Ø240	249-264	63	6.5-21	242
360.300.110	5705499105520	110	110	145x145	Ø240	142-157	-	6.5-21	135

Flange is not adjustable.

**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 361**

WITH SIDE INLETS

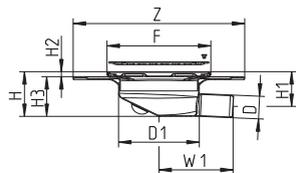


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
361.300.075	5705499105544	75	110	145x145	Ø240	302-317	63	6.5-21	295	100-115	104
361.300.110	5705499105568	110	110	145x145	Ø240	195-210	-	6.5-21	188	100-115	104

Flange is not adjustable.

with liquid membrane

## MINI DRAIN SQUARE TYPE 381

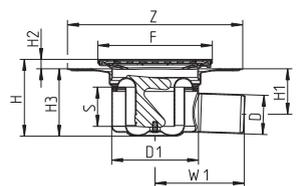


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1
381.300.032	5705499107401	32	113	145x145	Ø240	62-72	49-59	6-16	56	104

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

## ADJUSTABLE SHOWER DRAIN SQUARE, LOW MODEL TYPE 382

WITH REMOVABLE WATER TRAP

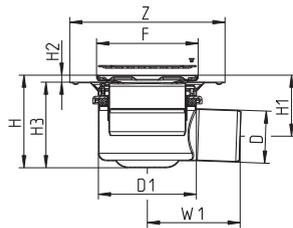


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	S	W1
382.300.050 V	5705499131772	50	110	145x145	Ø222	95-105	58	9-19	86	50	113
382.300.050 VS	5705499131789	50	110	145x145	Ø222	95-105	58	9-19	86	50	113

with sheet membrane

BLÜCHER® DRAIN DOMESTIC

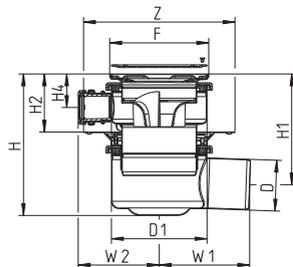
**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 312**



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

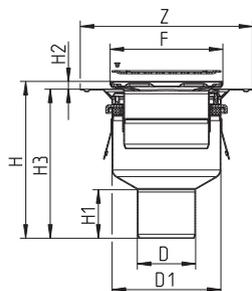
**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 313**

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**

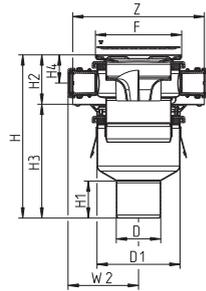


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3
352.300.075	5705499105421	75	140	145x145	Ø222	203-258	63	10-50	193-208
352.300.110	5705499105445	110	140	145x145	Ø222	171-226	79	10-50	161-176

with sheet membrane

**ADJUSTABLE SHOWER DRAIN SQUARE TYPE 353**

WITH SIDE INLETS

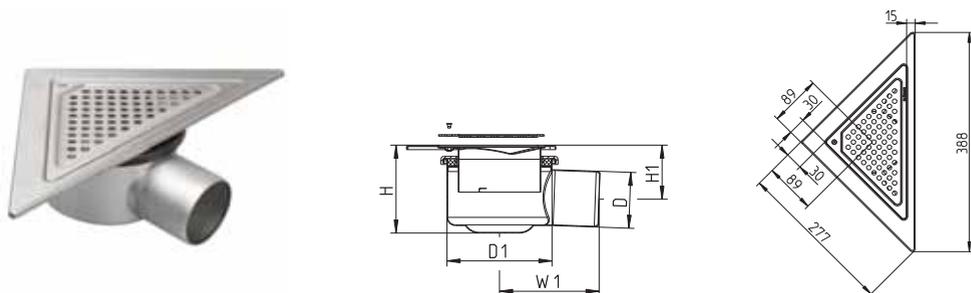


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	H4	W2
353.300.075	5705499105469	75	140	145x145	Ø222	269-334	63	76-126	193-208	48-58	119
353.300.110	5705499105483	110	140	145x145	Ø222	237-302	79	76-126	161-176	48-58	119

without membrane

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 110**

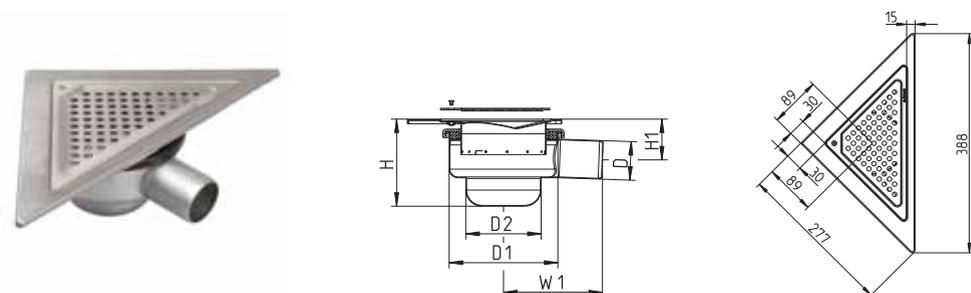
FOR CORNER INSTALLATION



Type no.	EAN no.	D	D1	H	H1	W1
110.360.075	5705499121117	75	140	116-149	71-104	133

**ADJUSTABLE SHOWER DRAIN TRIO, LOW MODEL TYPE 114**

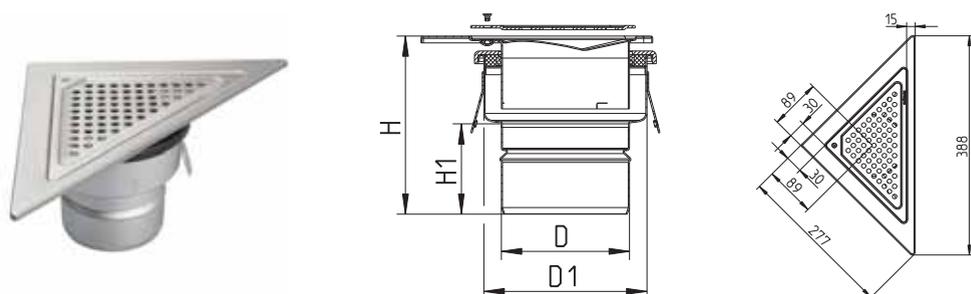
FOR CORNER INSTALLATION



Type no.	EAN no.	D	D1	H	H1	W1	D2
114.360.050	5705499124118	50	140	113-123	53-63	127	97

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 150**

FOR CORNER INSTALLATION

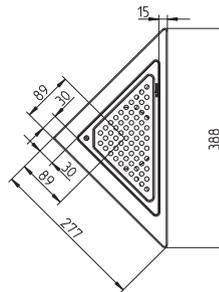
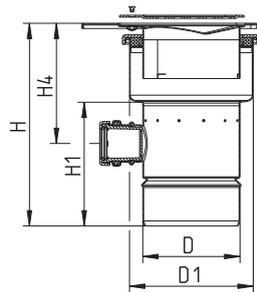


Type no.	EAN no.	D	D1	H	H1
150.360.110	5705499121131	110	140	154-187	79

without membrane

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 155**

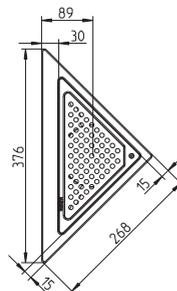
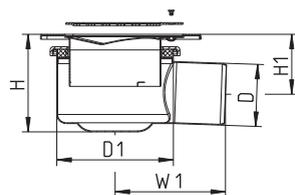
FOR CORNER INSTALLATION, WITH SIDE INLETS



Type no.	EAN no.	D	D1	H	H1	H4
155.360.110	5705499121155	110	140	231-264	140	137-170

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 110**

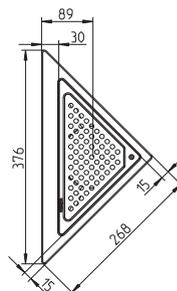
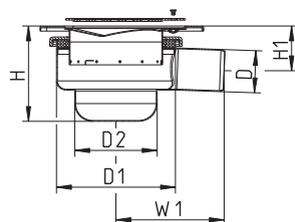
FOR INSTALLATION ALONG WALL



Type no.	EAN no.	D	D1	H	H1	W1
110.370.075	5705499121124	75	140	116-149	71-104	133

**ADJUSTABLE SHOWER DRAIN TRIO, LOW MODEL TYPE 114**

FOR INSTALLATION ALONG WALL

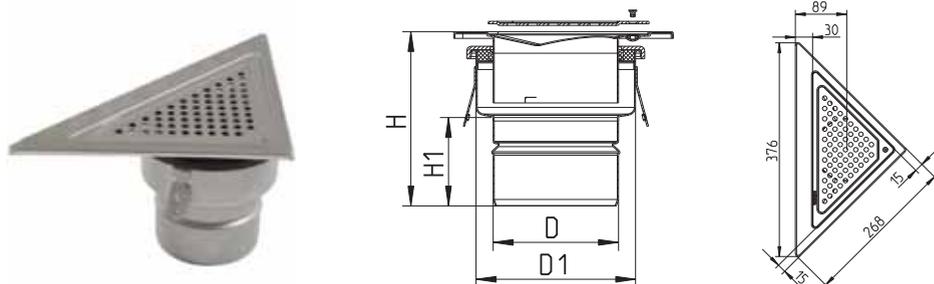


Type no.	EAN no.	D	D1	H	H1	W1	D2
114.370.050	5705499124125	50	140	113-123	53-63	127	97

without membrane

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 150**

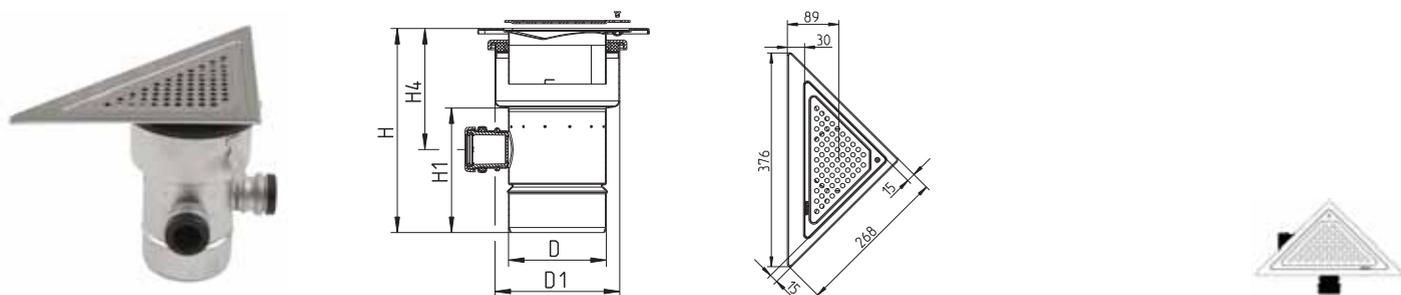
FOR INSTALLATION ALONG WALL



Type no.	EAN no.	D	D1	H	H1
150.370.110	5705499121148	110	140	154-187	79

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 155**

FOR INSTALLATION ALONG WALL, WITH SIDE INLETS

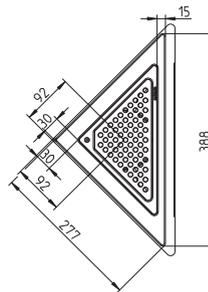
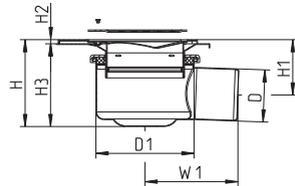


Type no.	EAN no.	D	D1	H	H1	H4
155.370.110	5705499121162	110	140	231-264	140	137-170

with liquid membrane

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 310**

FOR CORNER INSTALLATION

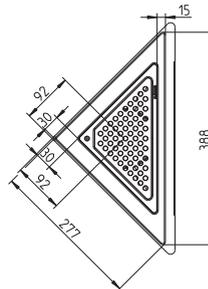
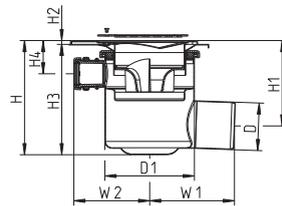


Type no.	EAN no.	D	D1	H	H1	H2	H3	W1
310.360.075	5705499120066	75	140	119-149	74-104	6-21	113-128	133

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

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 311**

FOR CORNER INSTALLATION, WITH SIDE INLETS

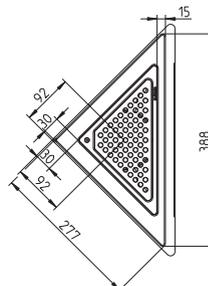
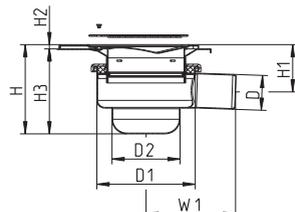


Type no.	EAN no.	D	D1	H	H1	H2	H3	H4	W1	W2
311.360.075	5705499120080	75	140	180-210	135-165	6-21	174-189	52-82	133	119

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

**ADJUSTABLE SHOWER DRAIN TRIO, LOW MODEL TYPE 314**

FOR CORNER INSTALLATION



Type no.	EAN no.	D	D1	H	H1	H2	H3	W1	D2
314.360.050	5705499120103	50	140	116-146	56-86	6-21	110-125	127	97

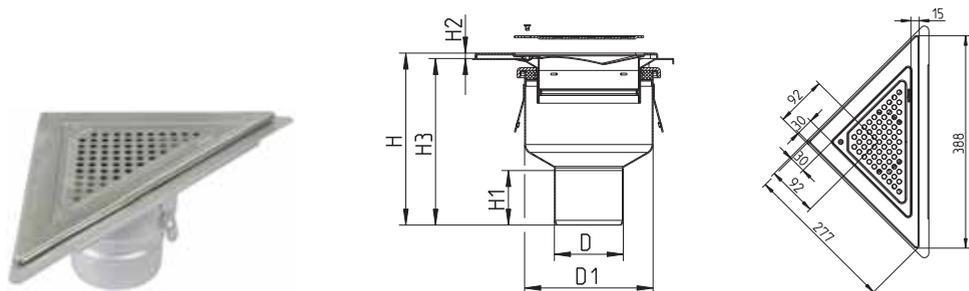
Mounting brackets included for easy and safe installation. Mounting brackets to be removed after installation to allow wall and floor to move independently.

with liquid membrane

BLÜCHER® DRAIN DOMESTIC

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 350**

FOR CORNER INSTALLATION

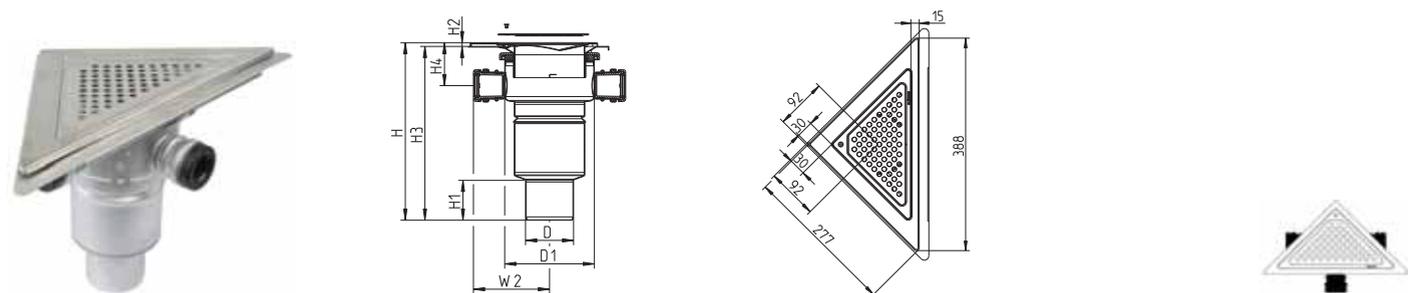


Type no.	EAN no.	D	D1	H	H1	H2	H3
350.360.075	5705499127744	75	140	190-220	63	6-21	184-199
350.360.110	5705499120127	110	140	157-187	79	6-21	151-166

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

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 351**

FOR CORNER INSTALLATION, WITH SIDE INLETS



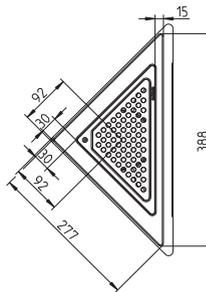
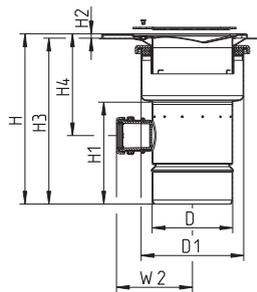
Type no.	EAN no.	D	D1	H	H1	H2	H3	H4	W2
351.360.075	5705499127751	75	140	279-309	63	6-21	273-288	68-98	119
351.360.110	5705499120141	110	140	172-202	79	6-21	166-181	68-98	119

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

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 355**

FOR CORNER INSTALLATION, WITH SIDE INLETS

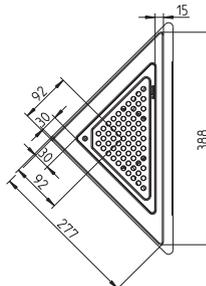
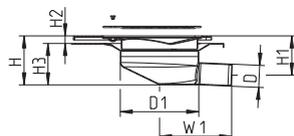


Type no.	EAN no.	D	D1	H	H1	H2	H3	H4	W2
355.360.110	5705499120165	110	140	234-264	140	6-21	228-243	140-170	104

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

**MINI DRAIN TRIO TYPE 381**

FOR CORNER INSTALLATION



Type no.	EAN no.	D	D1	H	H1	H2	H3	W1
381.360.032	5705499120189	32	113	66-76	52-62	6-16	60	104

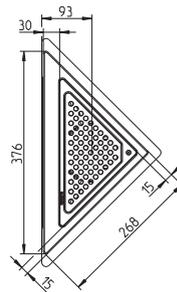
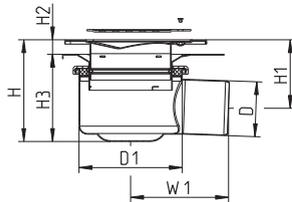
Not for removable water trap. Adaptor for D=40mm included. Mounting brackets included for easy and safe installation. Mounting brackets to be removed after installation to allow wall and floor to move independently.

with liquid membrane

BLÜCHER® DRAIN DOMESTIC

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 310**

FOR INSTALLATION ALONG WALL

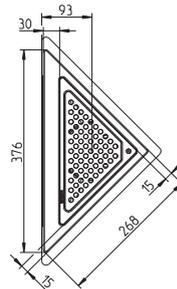
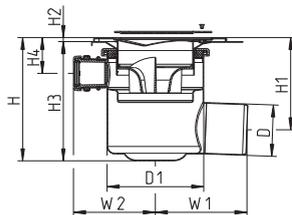


Type no.	EAN no.	D	D1	H	H1	H2	H3	W1
310.370.075	5705499120073	75	140	119-149	74-104	6-21	113-128	133

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

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 311**

FOR INSTALLATION ALONG WALL, WITH SIDE INLETS

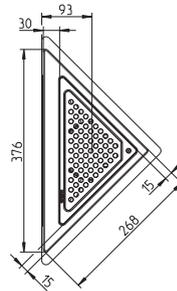
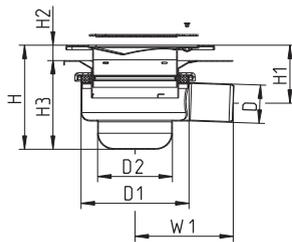


Type no.	EAN no.	D	D1	H	H1	H2	H3	H4	W1	W2
311.370.075	5705499120097	75	140	180-210	135-165	6-21	174-189	52-82	133	119

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

**ADJUSTABLE SHOWER DRAIN TRIO, LOW MODEL TYPE 314**

FOR INSTALLATION ALONG WALL



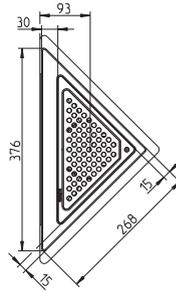
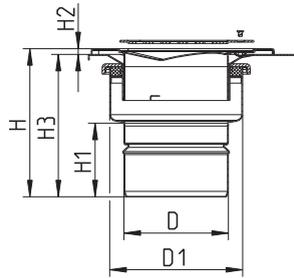
Type no.	EAN no.	D	D1	H	H1	H2	H3	W1	D2
314.370.050	5705499120110	50	140	116-146	56-86	6-21	110-125	127	97

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

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 350**

FOR INSTALLATION ALONG WALL

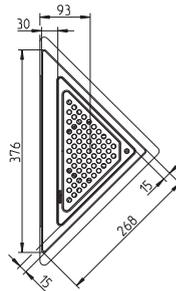
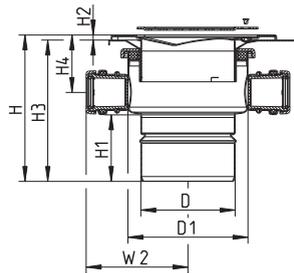


Type no.	EAN no.	D	D1	H	H1	H2	H3
350.370.110	5705499120134	110	140	157-187	79	6-21	151-166

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

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 351**

FOR INSTALLATION ALONG WALL, WITH SIDE INLETS

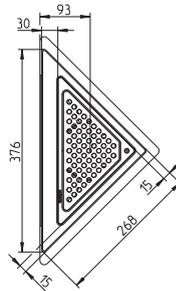
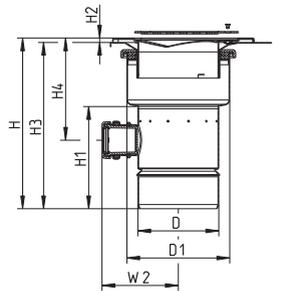


Type no.	EAN no.	D	D1	H	H1	H2	H3	H4	W2
351.370.110	5705499120158	110	140	172-202	79	6-21	166-181	68-98	119

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

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 355**

FOR INSTALLATION ALONG WALL, WITH SIDE INLETS

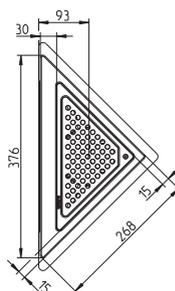
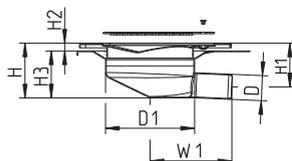


Type no.	EAN no.	D	D1	H	H1	H2	H3	H4	W2
355.370.110	5705499120172	110	140	234-264	140	6-21	228-243	140-170	104

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

**MINI DRAIN TRIO TYPE 381**  
FOR INSTALLATION ALONG WALL



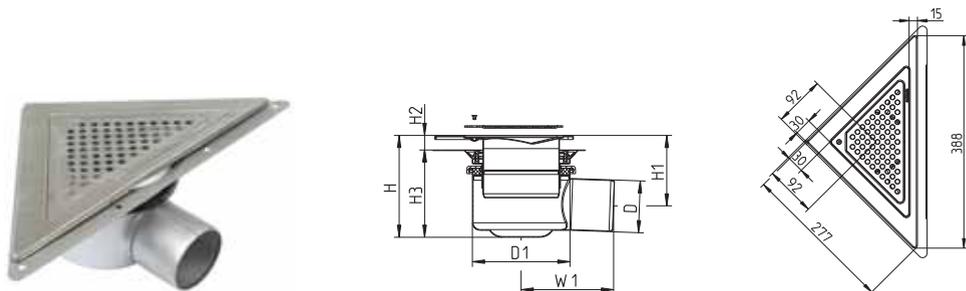
Type no.	EAN no.	D	D1	H	H1	H2	H3	W1
381.370.032	5705499120196	32	113	66-76	52-62	6-16	60	104

Not for removable water trap. Adaptor for D=40mm included.  
Mounting brackets included for easy and safe installation. Mounting brackets to be removed after installation to allow wall and floor to move independently.

with sheet membrane

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 312**

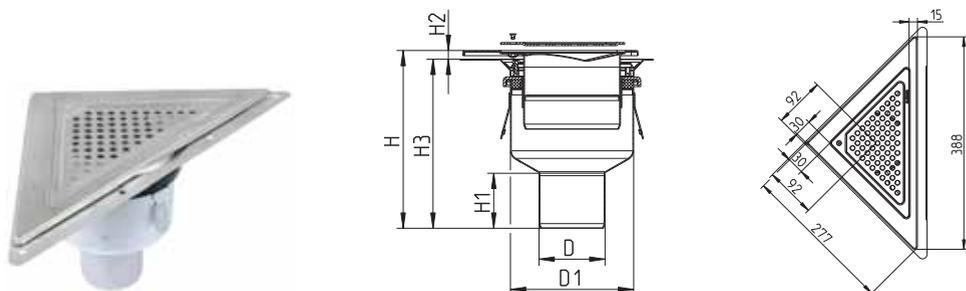
FOR CORNER INSTALLATION



Type no.	EAN no.	D	D1	H	H1	H2	H3	W1
312.360.075	5705499121360	75	140	133-188	88-143	10-50	123-138	133

**ADJUSTABLE SHOWER DRAIN TRIO TYPE 352**

FOR CORNER INSTALLATION

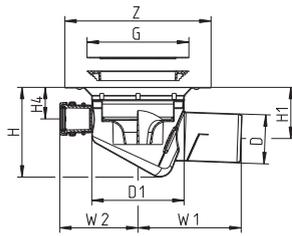


Type no.	EAN no.	D	D1	H	H1	H2	H3
352.360.075	5705499121407	75	140	203-258	63	10-50	193-208

without membrane

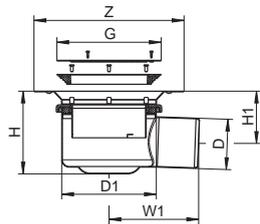
**ADJUSTABLE SHOWER DRAIN CIRCLE, LOW MODEL TYPE 202**

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

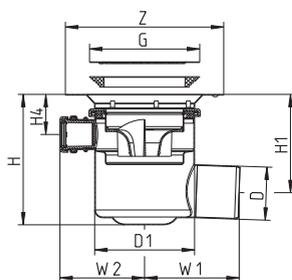
**ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 210**



Type no.	EAN no.	D	D1	Z	G	H	H1	W1
210.300.075	5705499105049	75	140	Ø222	Ø155	123-153	78-108	133

**ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 211**

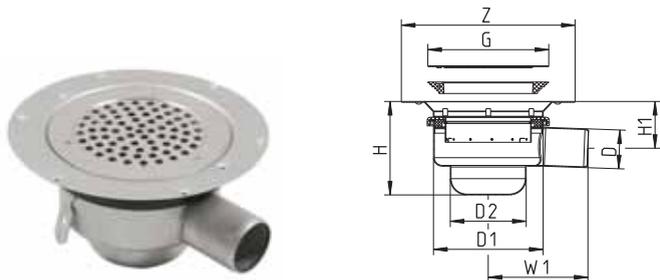
WITH SIDE INLETS



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

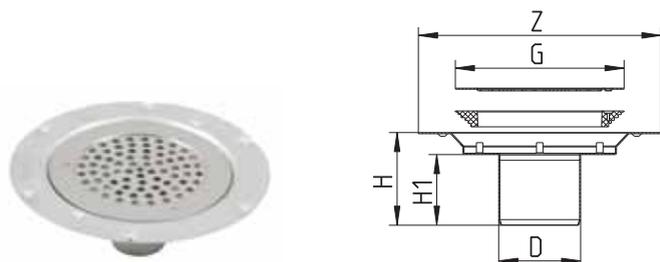
without membrane

**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**

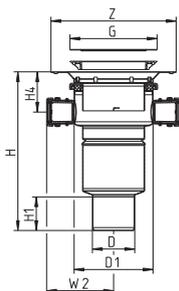


Type no.	EAN no.	D	D1	Z	G	H	H1
250.300.050	5705499123562	50	140	Ø222	Ø155	197-227	58
250.300.075	5705499105100	75	140	Ø222	Ø155	193-223	63
250.300.110	5705499105124	110	140	Ø222	Ø155	161-191	79

without membrane

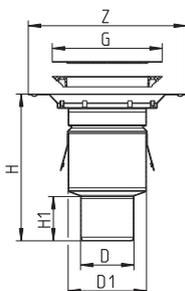
**ADJUSTABLE SHOWER DRAIN CIRCLE TYPE 251**

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

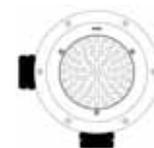
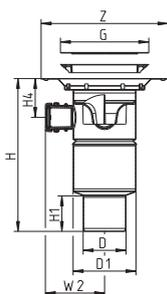
**SHOWER DRAIN CIRCLE TYPE 260**



Type no.	EAN no.	D	D1	Z	G	H	H1
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**

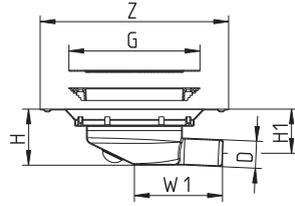
WITH SIDE INLETS



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

without membrane

MINI DRAIN CIRCLE TYPE 281



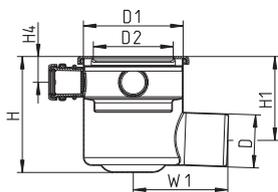
Type no.	EAN no.	D	Z	G	H	H1	W1
281.300.032	5705499107388	32	Ø222	Ø155	67	52	104

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

- without membrane flange

**LOWER PART FOR SHOWER DRAIN TYPE 111**

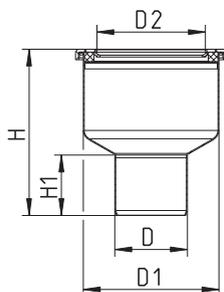
WITH SIDE INLETS



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**

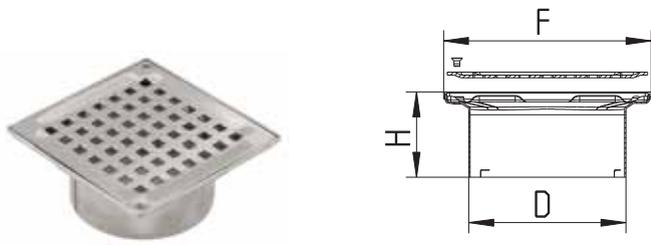


Type no.	EAN no.	D	D1	H	H1	D2
150.000.050	5705499107524	50	140	177	58	113
150.000.075	5705499107074	75	140	173	63	113
150.000.110	5705499107098	110	140	141	79	113

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

**UPPER PART FOR SHOWER DRAIN SQUARE TYPE 110**

WITHOUT SUPPORTING RING

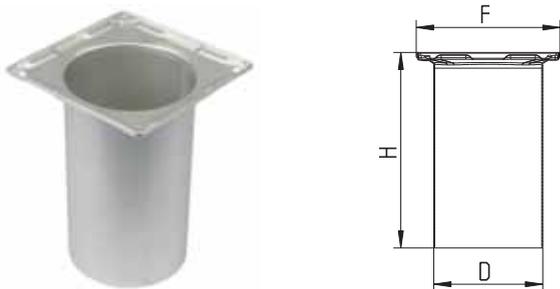


Type no.	EAN no.	D	F	H
110.300.000	5705499106916	110	145x145	60

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



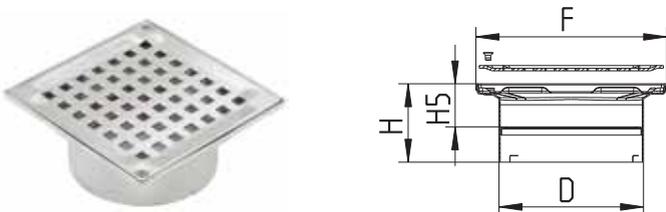
Type no.	EAN no.	D	F	H
110.300.001	5705499107210	110	145x145	199

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 150**

WITH SUPPORTING RING FOR WATER TRAP

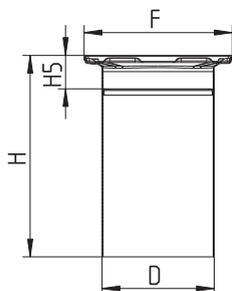


Type no.	EAN no.	D	F	H	H5
150.300.000	5705499106954	110	145x145	60	33

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



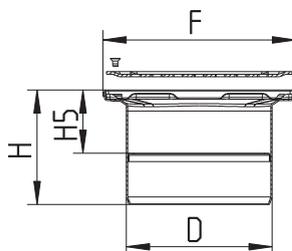
Type no.	EAN no.	D	F	H	H5
150.300.001	5705499107234	110	145x145	199	33

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 312**

WITH SUPPORTING RING FOR WATER TRAP

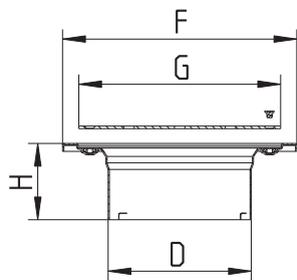


Type no.	EAN no.	D	F	H	H5
312.300.000	5705499106930	110	145x145	87	48

Suitable for adjustable drain type 312 and 352.

**UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 110.320.000**

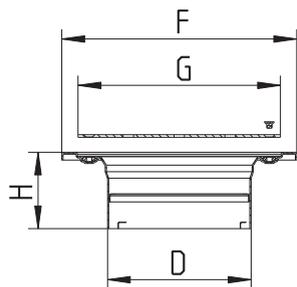
WITHOUT SUPPORTING RING



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

**UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 150.320.000**

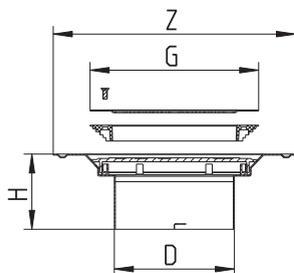
WITH SUPPORTING RING FOR WATER TRAP



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

**UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 210**

WITHOUT SUPPORTING RING

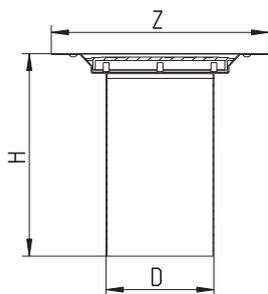


Type no.	EAN no.	D	Z	G	H
210.300.000	5705499106992	110	Ø222	Ø155	70

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

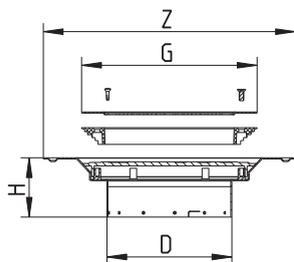


Type no.	EAN no.	D	Z	H
210.300.001	5705499117981	110	Ø222	209

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

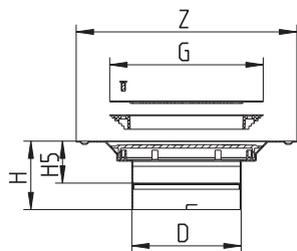


Type no.	EAN no.	D	Z	G	H
211.300.000	5705499106978	110	Ø222	Ø155	53

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

**UPPER PART FOR SHOWER DRAIN CIRCLE TYPE 250**

WITH SUPPORTING RING FOR WATER TRAP

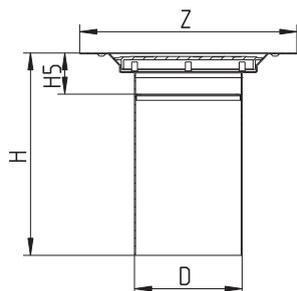


Type no.	EAN no.	D	Z	G	H	H5
250.300.000	5705499107012	110	Ø222	Ø155	70	43

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

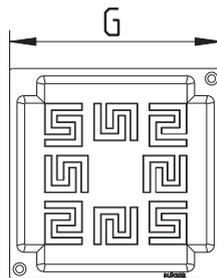
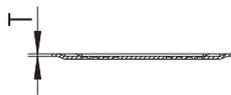


Type no.	EAN no.	D	Z	H	H5
250.300.001	5705499118001	110	Ø222	209	43

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

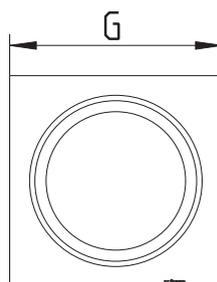
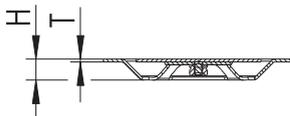
Gratings SQUARE

GRATING SQUARE ATHENS



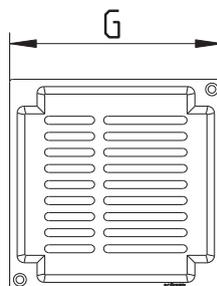
Type no.	EAN no.	G	T	Screws
610.155.427	5705499122848	140x140	2	2

GRATING SQUARE COPENHAGEN



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

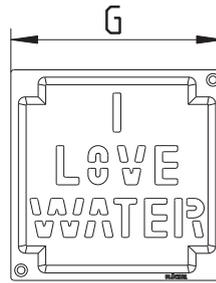
GRATING SQUARE DETROIT



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

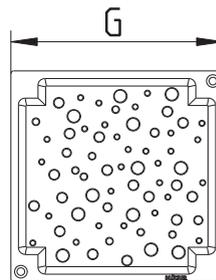
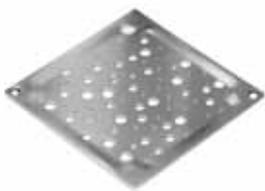
Gratings SQUARE

GRATING SQUARE NEW YORK



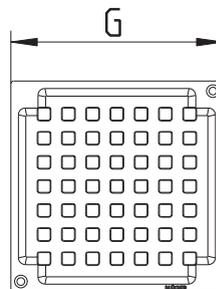
Type no.	EAN no.	G	T	Screws
610.155.429	5705499122985	140x140	2	2

GRATING SQUARE OSLO



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

GRATING SQUARE VIENNA

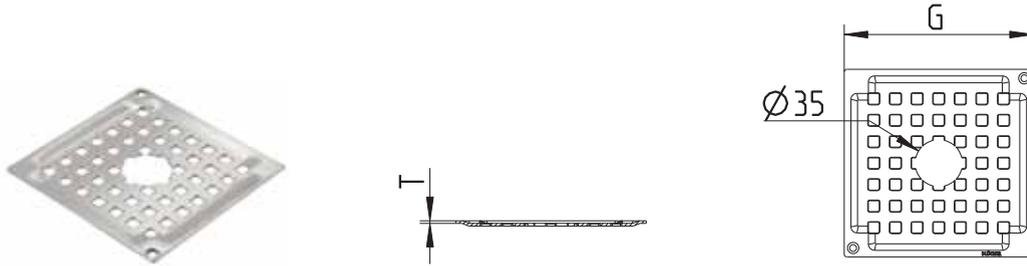


Type no.	EAN no.	G	T	Screws
610.155.421	5705499102116	140x140	2	2

Gratings SQUARE

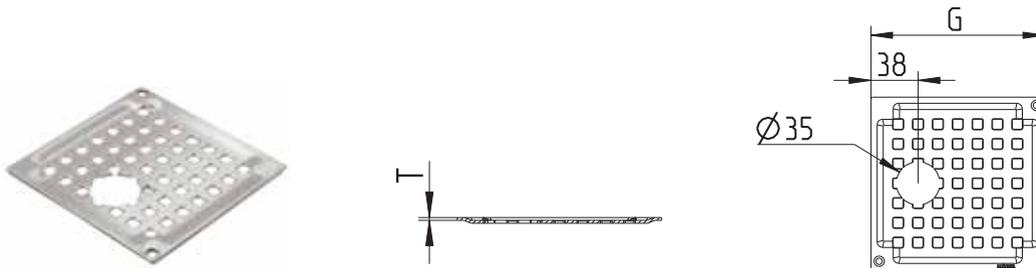
BLÜCHER® DRAIN DOMESTIC

GRATING SQUARE VIENNA, CUT A



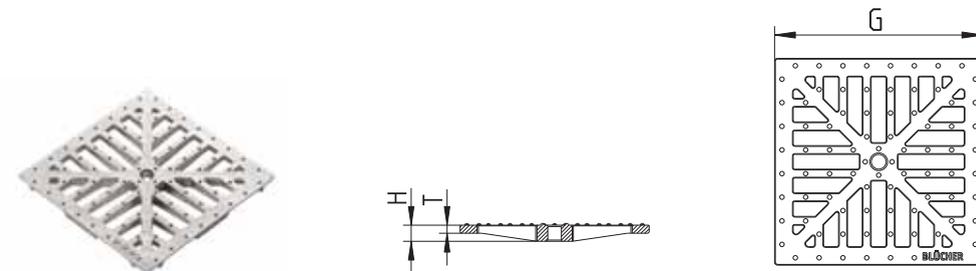
Type no.	EAN no.	G	T	Screws
610.155.441 A	5705499102161	140x140	2	2

GRATING SQUARE VIENNA, CUT B



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

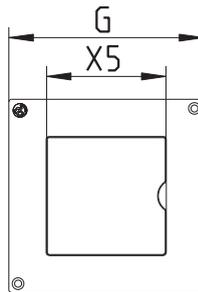
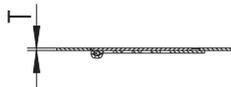
GRATING SQUARE HYGIENIC-PRO



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

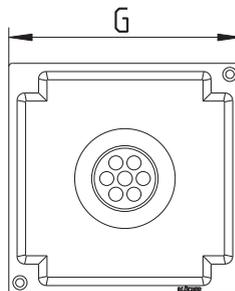
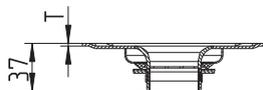
Gratings SQUARE

**HINGED GRATING SQUARE**  
WITH HINGED COVER



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

**BLANK PLATE SQUARE**  
WITH 1½" BOTTOM VALVE



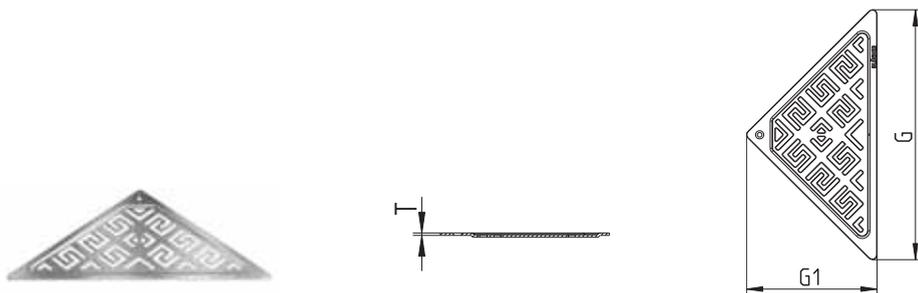
Type no.	EAN no.	G	T	Screws
610.155.451	5705499102185	140x140	2	2

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

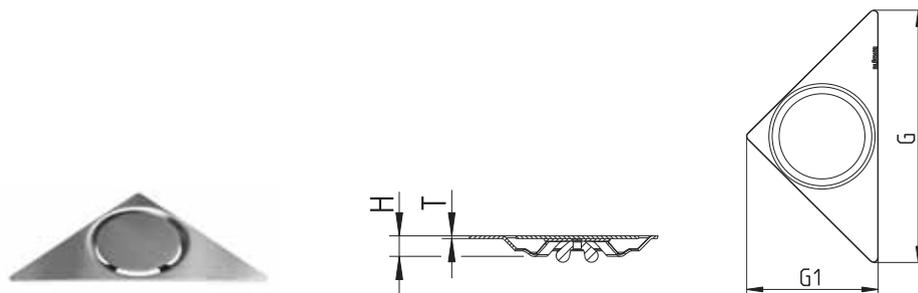
## Grating TRIO

### GRATING TRIO ATHENS



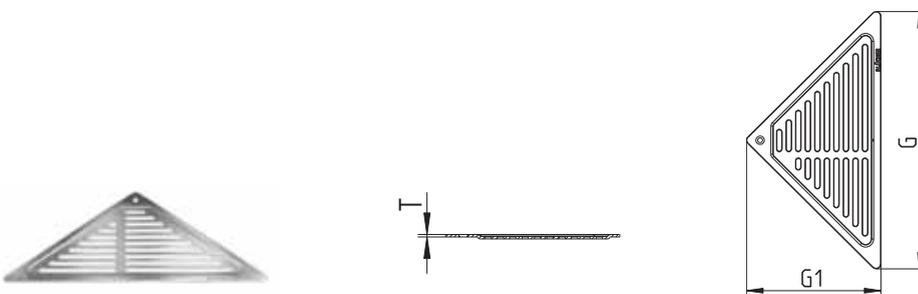
Type no.	EAN no.	G	G1	T	Screws
620.300.031	5705499122855	272	141	2	1

### GRATING TRIO COPENHAGEN



Type no.	EAN no.	G	G1	H	T	Screws
620.300.034	5705499123005	272	141	16	2	0

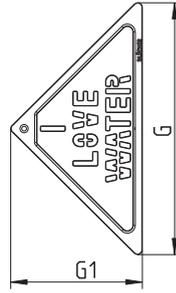
### GRATING TRIO DETROIT



Type no.	EAN no.	G	G1	T	Screws
620.300.032	5705499122923	272	141	2	1

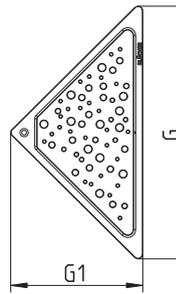
## Grating TRIO

### GRATING TRIO NEW YORK



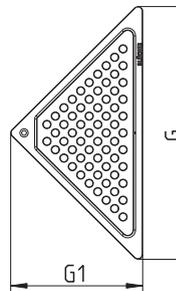
Type no.	EAN no.	G	G1	T	Screws
620.300.033	5705499122992	272	141	2	1

### GRATING TRIO OSLO



Type no.	EAN no.	G	G1	T	Screws
620.300.030	5705499122787	272	141	2	1

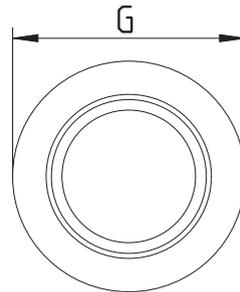
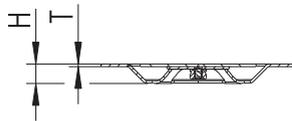
### GRATING TRIO VIENNA



Type no.	EAN no.	G	G1	T	Screws
620.300.035	5705499123012	272	141	2	1

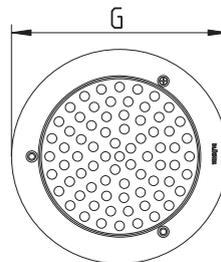
Gratings CIRCLE

GRATING CIRCLE COPENHAGEN



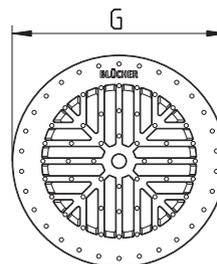
Type no.	EAN no.	G	H	T	Screws
610.160.521	5705499114164	Ø160	16	2	0
651.155.521	5705499114317	Ø155	16	2	3

GRATING CIRCLE VIENNA  
FOR VINYL FLOORS



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

GRATING CIRCLE HYGIENIC-PRO

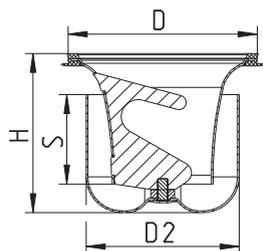


Type no.	EAN no.	G	H	T	Load class	Screws
620.155.500	5705499128406	Ø155	10	2	L 3000 kg	0
620.155.501	5705499128413	Ø155	10	2	L 3000 kg	2

Fits only into upper parts CIRCLE for resin floors

Water traps

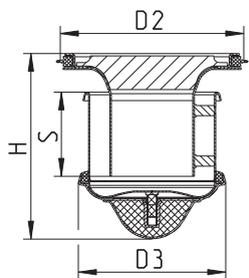
REMOVABLE TWO-PART WATER TRAP TYPE 502.050



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 FIRE PROOF TYPE 502.052

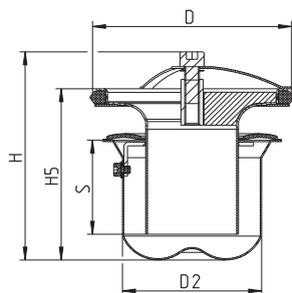


Type no.	EAN no.	H	S	D2	D3	Max Flow (l/s)
502.052.110 FS	5705499120509	110	50	108	87	1.2

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

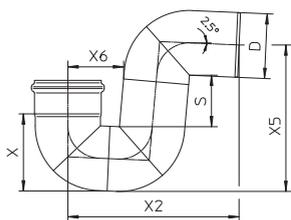


Type no.	EAN no.	D	H	H5	S	D2	Max Flow (l/s)
503.000.110	5705499118735	108	113	93	51	75	1.3

Accurate flow rate depending on type of drain and grating.

Water traps

P-TRAP 87.5° TYPE 525.090



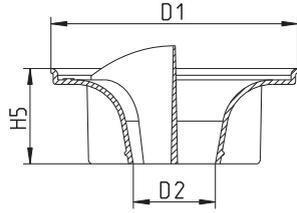
Type no.	EAN no.	D	S	X	X2	X5	X6	Max Flow (l/s)
525.090.050 S	5705499101461	50	74	67	175	145	60	1.7
525.090.075 S	5705499101478	75	81	93	222	189	74	2.5
525.090.110 S	5705499101485	110	89	132	289	249	94	3.4

Accurate flow rate depending on installation.

Others

**DEFLECTOR**

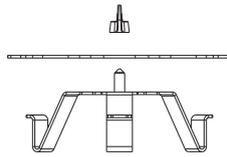
FOR DRAINS WITH SIDE INLETS



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

**VINYL CUTTING TEMPLATE**

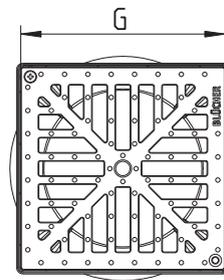
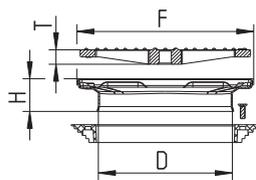
FOR CUTTING IN VINYL FLOORS



Type no.	EAN no.
001.200.001	5705499124095

**MOUNTING SET MULTI SQUARE HYGIENIC-PRO TYPE 620**

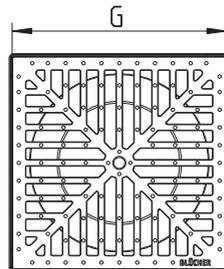
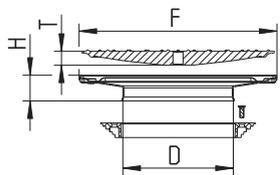
WITH CLAMPING RING



Type no.	EAN no.	D	F	G	H	T	EN1253	Screws
620.200.023	5705499129328	110	145x145	140x140	27	12	L 3000 kg	2
620.200.024	5705499129335	110	145x145	140x140	27	12	L 3000 kg	0

**MOUNTING SET MULTI SQUARE HYGIENIC-PRO TYPE 650**

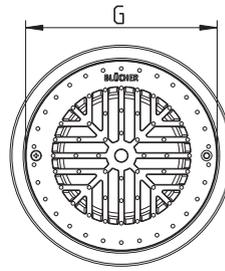
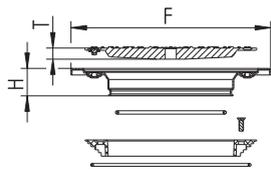
WITH CLAMPING RING



Type no.	EAN no.	D	F	G	H	T	EN1253	Screws
650.200.007	5705499129281	110	197x197	192x192	26	14	L 3000 kg	0
650.200.107	5705499129298	110	197x197	192x192	26	14	L 3000 kg	2

**MOUNTING SET MULTI CIRCLE HYGIENIC-PRO**

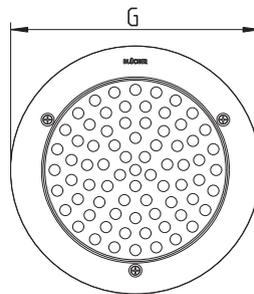
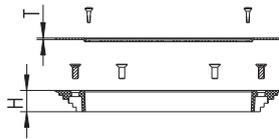
WITH CLAMPING RING



Type no.	EAN no.	F	G	H	T	Screws
620.300.043	5705499129304	180x180	155x155	25	10	2
620.300.044	5705499129311	180x180	155x155	25	10	0

**MOUNTING SET MULTI CIRCLE VIENNA**

WITH CLAMPING RING



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

### 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

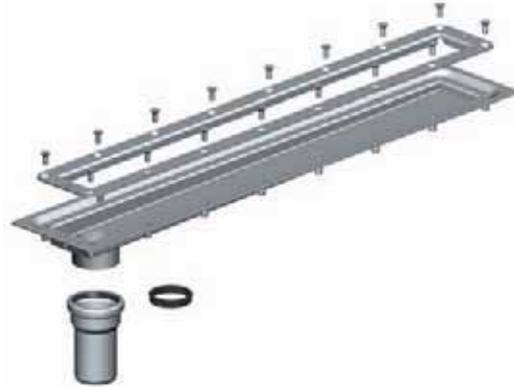
- Series 17X for tiled floors without membrane
- Series 275 for vinyl floors
- Series 37X for tiled floors with liquid membrane
- Series 395 for tiled floors with sheet membrane

### Complete drains

Series 17X for tiled floor without membrane



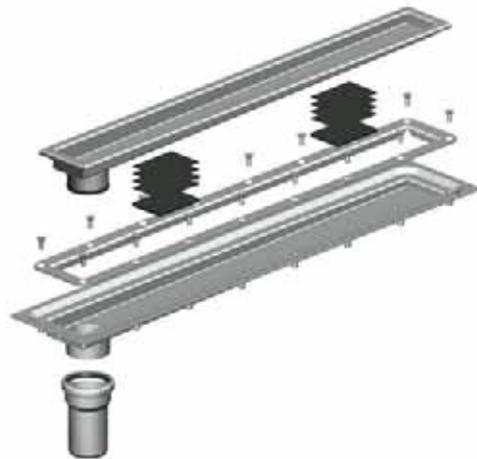
Series 275 for vinyl floor



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.

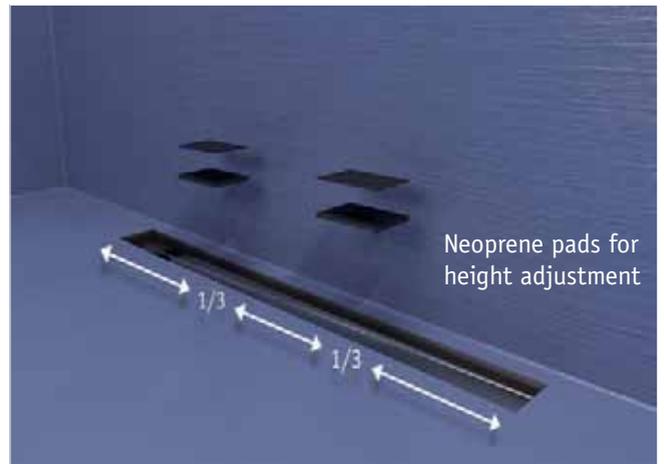


# Installation examples

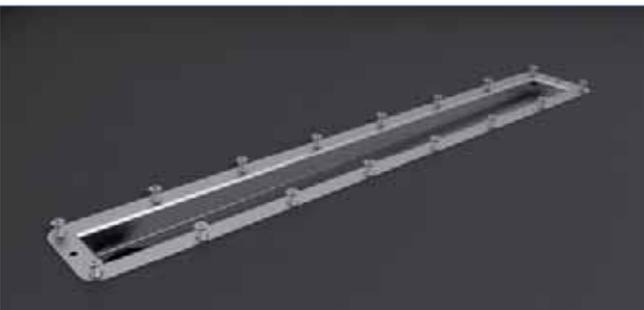
Tiles



Tiles and liquid membrane



Vinyl



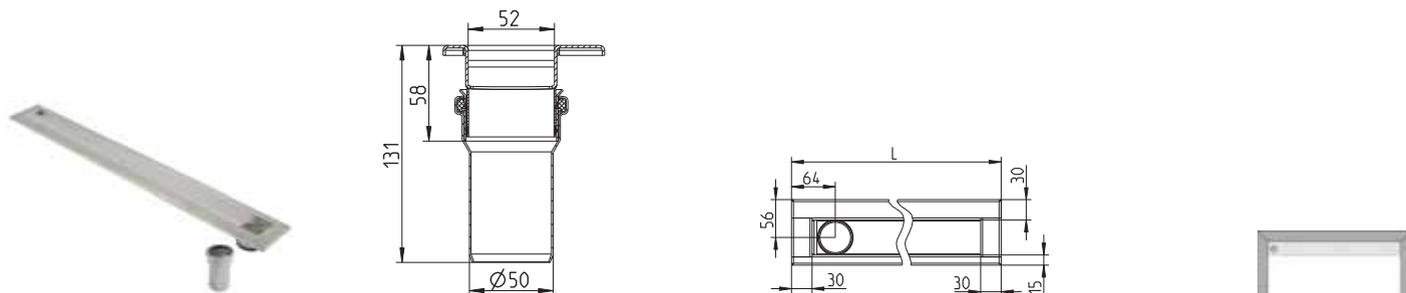
Installation videos available at [www.blucher.com](http://www.blucher.com)

without membrane

BLÜCHER® DRAIN DOMESTIC

**SHOWER CHANNEL WATERLINE TYPE 171**

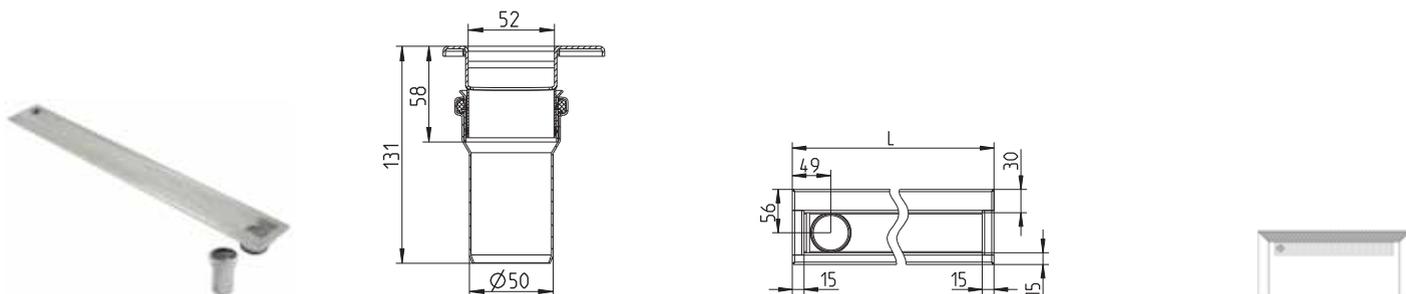
FOR INSTALLATION AGAINST 3 WALLS



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

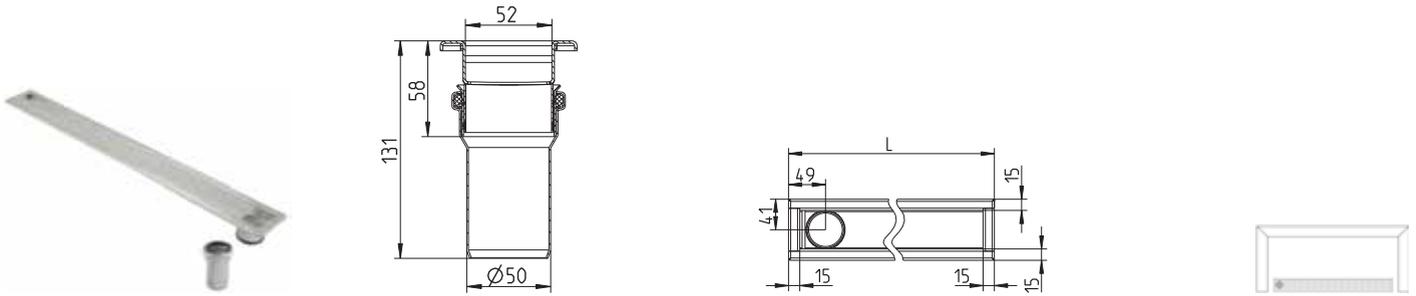


Type no.	EAN no.	L
174.030.056.20	5705499122411	264
174.070.056.20	5705499122428	664
174.080.056.20	5705499122435	764
174.090.056.20	5705499122442	864
174.100.056.20	5705499122459	964

without membrane

**SHOWER CHANNEL WATERLINE TYPE 175**

FOR FREE PLACING



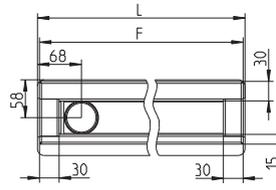
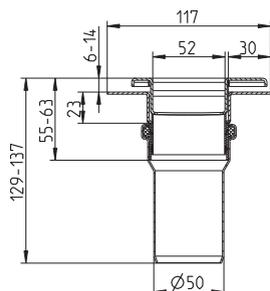
Type no.	EAN no.	L
175.070.056.20	5705499122466	664
175.080.056.20	5705499122473	764
175.090.056.20	5705499122480	864
175.100.056.20	5705499122497	964

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.

with liquid membrane

**SHOWER CHANNEL WATERLINE TYPE 371**

FOR INSTALLATION AGAINST 3 WALLS

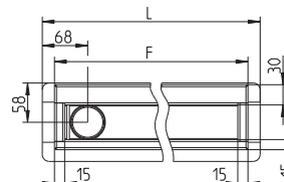
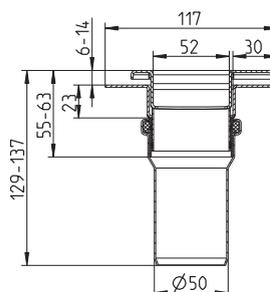


Type no.	EAN no.	F	L
371.070.056.20	5705499122244	694	700
371.080.056.20	5705499122251	794	800
371.090.056.20	5705499122268	894	900
371.100.056.20	5705499122275	994	1000

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



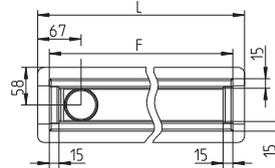
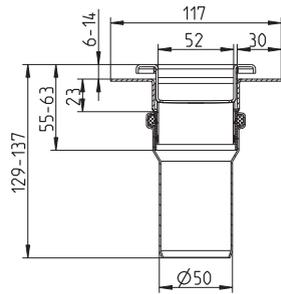
Type no.	EAN no.	F	L
374.030.056.20	5705499122282	264	300
374.070.056.20	5705499122299	664	700
374.080.056.20	5705499122305	764	800
374.090.056.20	5705499122312	864	900
374.100.056.20	5705499122329	964	1000

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



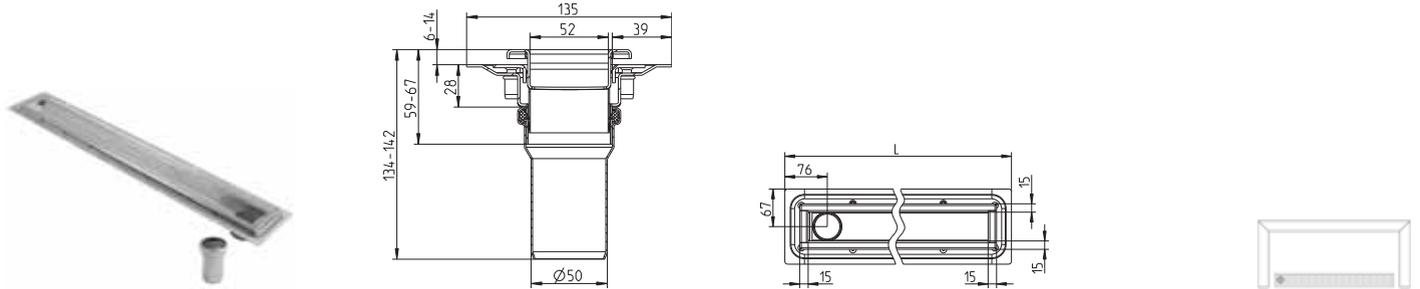
Type no.	EAN no.	F	L
375.070.056.20	5705499122336	664	700
375.080.056.20	5705499122343	764	800
375.090.056.20	5705499122350	864	900
375.100.056.20	5705499122367	964	1000

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.

with sheet membrane

**SHOWER CHANNEL WATERLINE TYPE 395**

FOR FREE PLACING

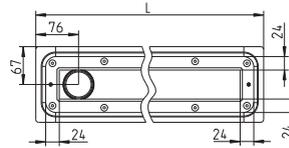
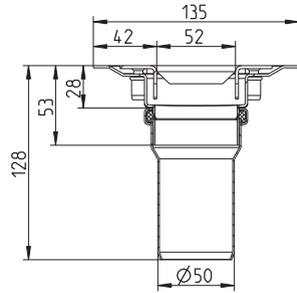


Type no.	EAN no.	L
395.070.056.20	5705499122688	717
395.080.056.20	5705499122695	817
395.090.056.20	5705499122701	917
395.100.056.20	5705499122718	1017

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 275**

FOR FREE PLACING

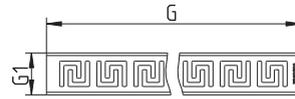
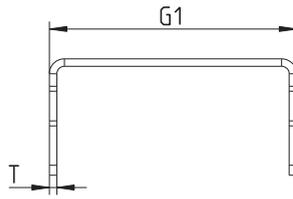


Type no.	EAN no.	L
275.070.056.20	5705499122527	700
275.080.056.20	5705499122534	800
275.090.056.20	5705499122541	900
275.100.056.20	5705499122558	1000

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

Gratings

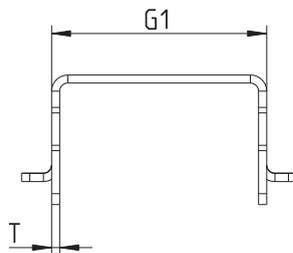
GRATING LINE ATHENS



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.

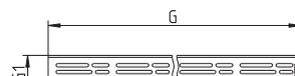
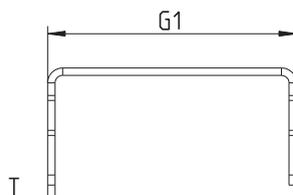
GRATING LINE COPENHAGEN



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

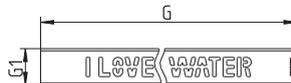
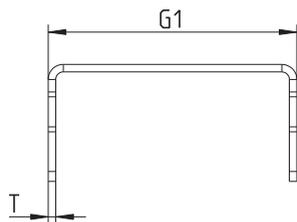


Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.006.030	5705499122862	232	50	1.5	0.6
697.006.070	5705499122879	632	50	1.5	0.7
697.006.080	5705499122886	732	50	1.5	0.7
697.006.090	5705499122893	832	50	1.5	0.7
697.006.100	5705499122909	932	50	1.5	0.7



Gratings

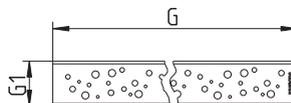
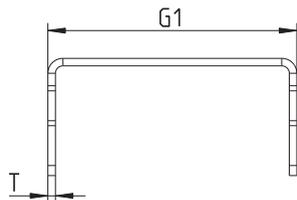
GRATING LINE NEW YORK



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

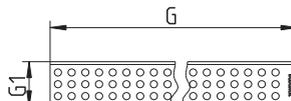
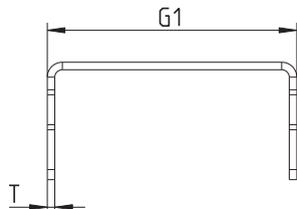
Please note that the text starts over the channel outlet and is read towards the other end of the channel.

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

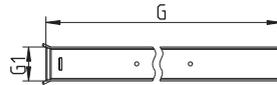
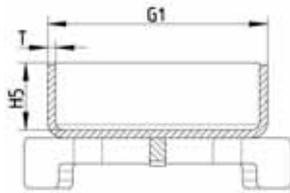


Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.003.030	5705499119206	232	50	1.5	0.7
697.003.070	5705499119213	632	50	1.5	0.9
697.003.080	5705499119220	732	50	1.5	0.9
697.003.090	5705499119237	832	50	1.5	0.9
697.003.100	5705499119244	932	50	1.5	0.9

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

Gratings

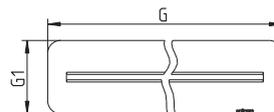
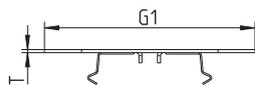
GRATING LINE TOKYO



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

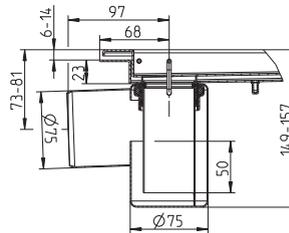
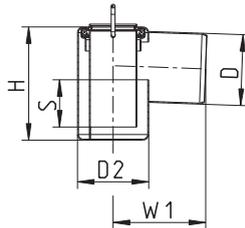


Type no.	EAN no.	G	G1	T	Max Flow (l/s)
697.104.070	5705499122565	685	103	1.5	0.6
697.104.080	5705499122572	785	103	1.5	0.6
697.104.090	5705499122589	885	103	1.5	0.6
697.104.100	5705499122596	985	103	1.5	0.6

Water traps

**WATER TRAP FOR WATERLINE**

TO BE BUILT IN - CANNOT BE RETRO-FITTED

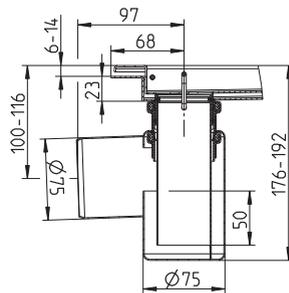
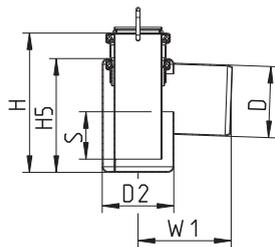


Type no.	EAN no.	D	H	S	W1	D2	Max Flow (l/s)
510.000.075	5705499120011	75	120	50	97	75	0.8

Accurate flow rate depending on type of grating.

**WATER TRAP FOR WATERLINE, HIGH MODEL**

TO BE BUILT IN - CANNOT BE RETRO-FITTED

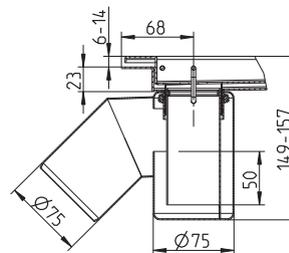
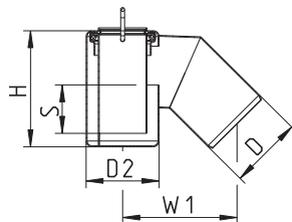


Type no.	EAN no.	D	H	H5	S	W1	D2	Max Flow (l/s)
510.002.075	5705499123067	75	147	120	50	97	75	0.8

Accurate flow rate depending on type of grating.

**WATER TRAP 45° FOR WATERLINE**

TO BE BUILT IN - CANNOT BE RETRO-FITTED

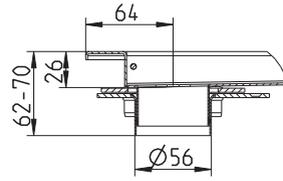
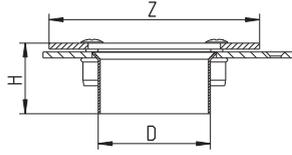


Type no.	EAN no.	D	H	S	W1	D2	Max Flow (l/s)
510.003.075	5705499123074	75	120	50	117	75	0.8

Accurate flow rate depending on type of grating.

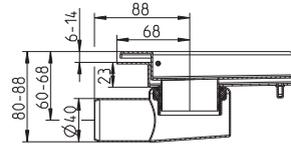
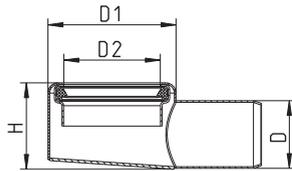
Others

FLANGE FOR WATERLINE



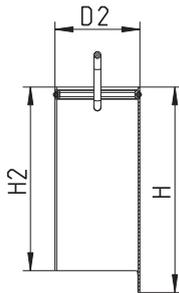
Type no.	EAN no.	D	Z	H
326.005.000	5705499121513	56	105x105	36

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

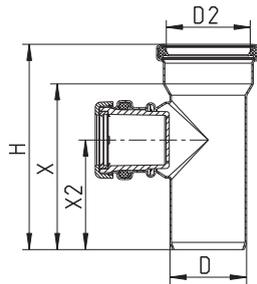


Type no.	EAN no.	H	H2	D2
620.300.021	5705499120035	122	109	50

Others

**CONNECTING PIECE FOR WATERLINE**

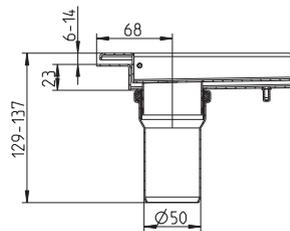
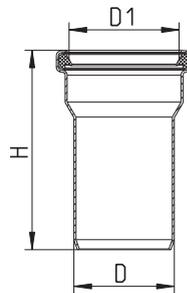
WITH SIDE INLET



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

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

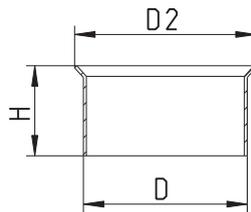
**CONNECTING PIECE FOR WATERLINE**



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

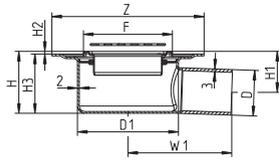
**CONNECTING PIECE FOR WATERLINE**

FOR TYPE 17X



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

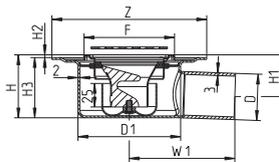
**CABIN DRAIN SQUARE TYPE 491**



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1
491.200.050 S	5705499131826	50	110	97	Ø166	68-78	45-55	3-13	65	113

**CABIN DRAIN SQUARE TYPE 491**

WITH REMOVABLE WATER TRAP



Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1
491.200.050 VS	5705499131857	50	110	97x97	Ø166	68-78	45-55	3-13	65	113

### 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

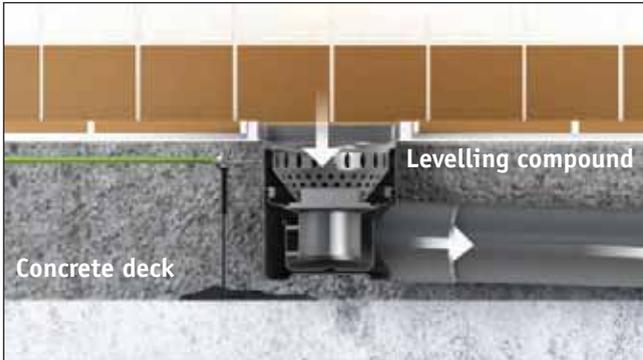
Range of gratings for all load classes. Grating not included - to be ordered separately

##### Accessories

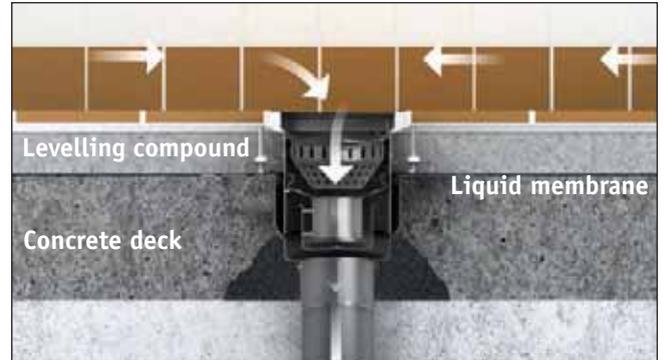
Accessories such as filter basket, sand bucket and water trap not included - to be ordered separately

### Installation examples

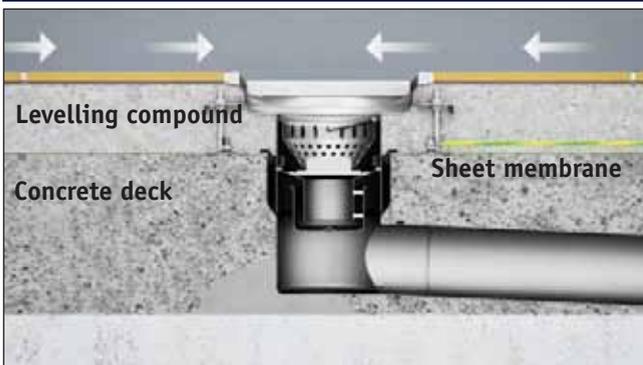
Concrete and tiles without membrane



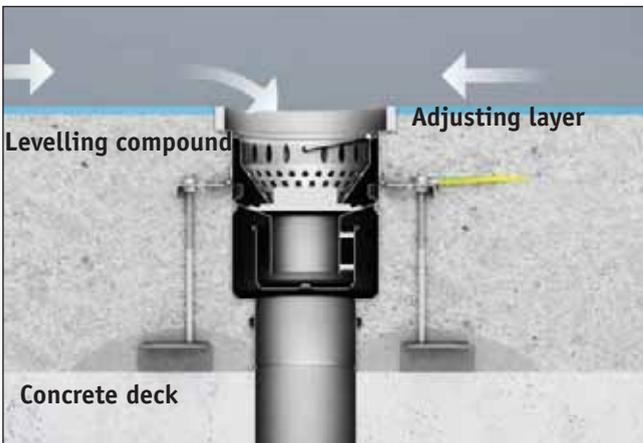
Concrete and tiles with liquid membrane



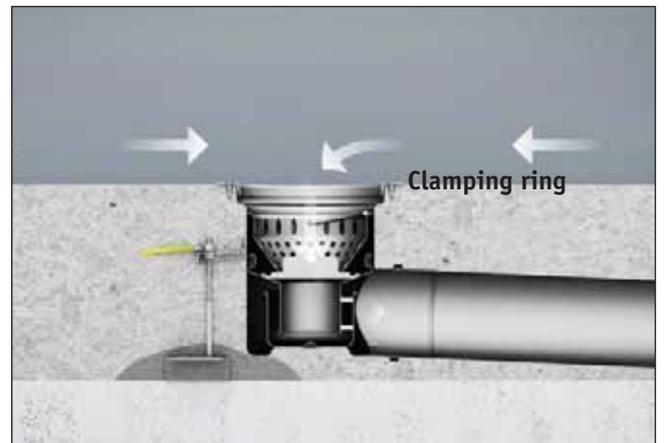
Concrete and tiles with sheet membrane



Epoxy



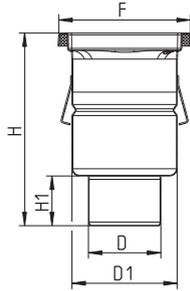
Vinyl



Installation videos available at [www.blucher.com](http://www.blucher.com)

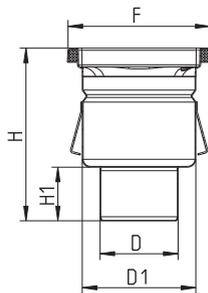
without membrane

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
760.402.110	5705499109382	110	160	200x200	295	76	0
760.401.075	5705499128925	75	160	250x250	286	65	0
760.401.110	5705499128963	110	160	250x250	297	76	0
760.403.110	5705499109429	110	260	300x300	341	76	0
760.403.160	5705499109467	160	260	300x300	360	95	0

INDUSTRIAL DRAIN, LOW MODEL TYPE 766.40

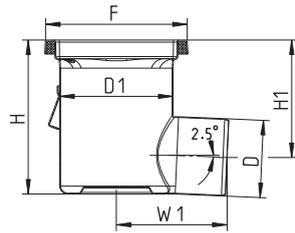


Type no.	EAN no.	D	D1	F	H	H1	Holes for screws
766.402.075	5705499110227	75	160	200x200	234	65	0
766.402.110	5705499110265	110	160	200x200	245	76	0
766.401.075	5705499129007	75	160	250x250	236	65	0
766.401.110	5705499129045	110	160	250x250	247	76	0
766.403.075	5705499110302	75	260	300x300	273	65	0
766.403.110	5705499110364	110	260	300x300	284	76	0
766.403.160	5705499110401	160	260	300x300	303	95	0

Only for low filter basket together with water trap

without membrane

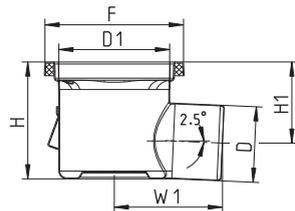
INDUSTRIAL DRAIN TYPE 763.40



Type no.	EAN no.	D	D1	F	H	H1	W1	Holes for screws
763.402.075	5705499109900	75	160	200x200	219	182	253	0
763.402.110	5705499109948	110	160	200x200	219	167	156	0
763.401.075	5705499129083	75	160	250x250	221	184	253	0
763.401.110	5705499129120	110	160	250x250	221	169	156	0
763.403.110	5705499109986	110	260	300x300	245	193	206	0
763.403.160	5705499110029	160	260	300x300	245	177-220	341	0

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

INDUSTRIAL DRAIN, LOW MODEL TYPE 726.40

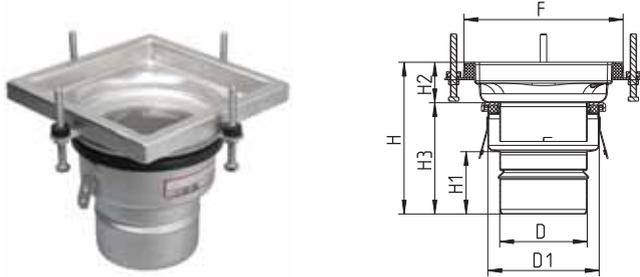


Type no.	EAN no.	D	D1	F	H	H1	W1	Holes for screws
726.402.075	5705499108866	75	160	200x200	170	137	253	0
726.402.110	5705499108880	110	160	200x200	170	118	156	0
726.401.075	5705499129168	75	160	250x250	172	139	253	0
726.401.110	5705499129205	110	160	250x250	172	120	156	0
726.403.110	5705499108903	110	260	300x300	188	136	206	0
726.403.160	5705499108927	160	260	300x300	188	120-163	341	0

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

without membrane

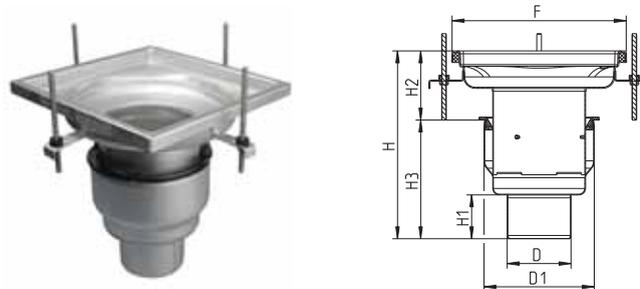
ADJUSTABLE INDUSTRIAL DRAIN TYPE 710.402



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

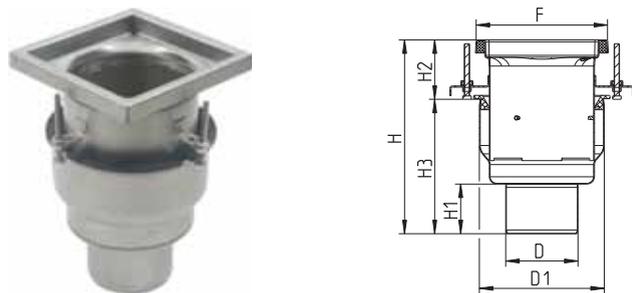
Only for removable water trap type 502 and 503 or P-trap

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

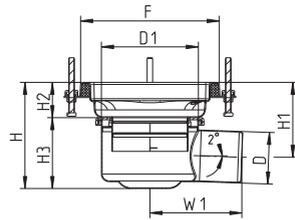
ADJUSTABLE INDUSTRIAL DRAIN TYPE 740.40



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

without membrane

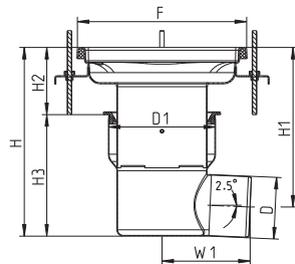
**ADJUSTABLE INDUSTRIAL DRAIN TYPE 713.402**



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.

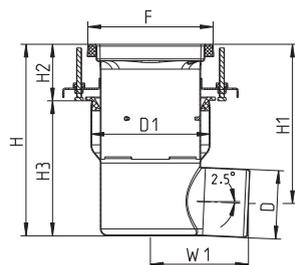
**ADJUSTABLE INDUSTRIAL DRAIN TYPE 713.403**



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**

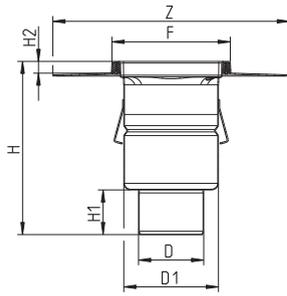


Type no.	EAN no.	D	D1	F	H	H1	H2	H3	W1	Holes for screws
743.402.075	5705499109184	75	190	200x200	308-368	275-335	91-151	217	253	0
743.402.110	5705499109207	110	190	200x200	308-368	256-316	91-151	217	156	0
743.403.110	5705499109221	110	291	300x300	313-373	261-321	91-151	222	206	0
743.403.160	5705499109245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

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

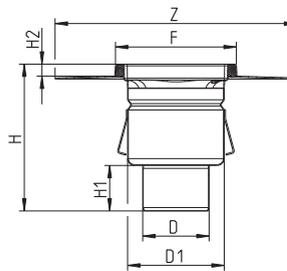
with liquid membrane

**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
761.402.110	5705499109702	110	160	200x200	400x400	295	76	20	0
761.403.110	5705499109740	110	260	300x300	500x500	341	76	20	0
761.403.160	5705499109788	160	260	300x300	500x500	360	95	20	0

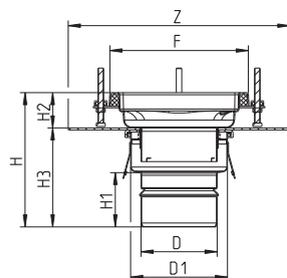
**INDUSTRIAL DRAIN, LOW MODEL TYPE 767.40**



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
767.402.110	5705499110685	110	160	200x200	400x400	245	76	20	0
767.403.075	5705499110722	75	260	300x300	500x500	273	65	20	0
767.403.110	5705499110784	110	260	300x300	500x500	284	76	20	0
767.403.160	5705499110821	160	260	300x300	500x500	303	95	20	0

Only for low filter basket together with water trap

**ADJUSTABLE INDUSTRIAL DRAIN TYPE 711.402**

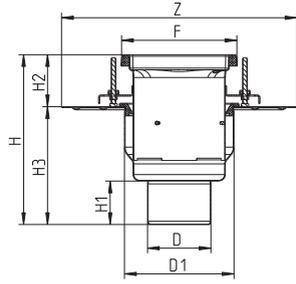


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	Holes for screws
711.402.075	5705499108521	75	140	200x200	Ø320	227-265	63	51-81	176-184	0
711.402.110	5705499108545	110	140	200x200	Ø320	195-233	79	51-81	144-152	0

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

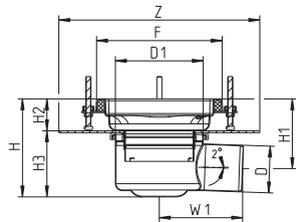
with liquid membrane

**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

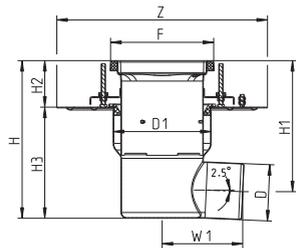
**ADJUSTABLE INDUSTRIAL DRAIN TYPE 714.402**



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.

**ADJUSTABLE INDUSTRIAL DRAIN TYPE 769.40**

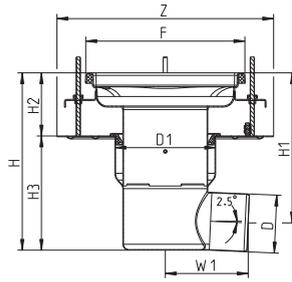


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
769.402.075	5705499110944	75	190	200x200	Ø409	308-368	275-335	91-151	217	253	0
769.402.110	5705499110999	110	190	200x200	Ø409	308-368	256-316	91-151	217	156	0
769.403.110	5705499111040	110	291	300x300	Ø507	313-373	261-321	91-151	222	206	0
769.403.160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

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

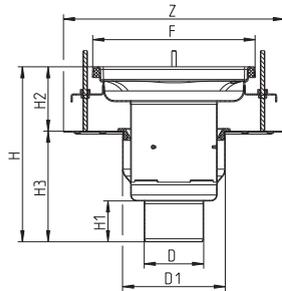
with liquid membrane

**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

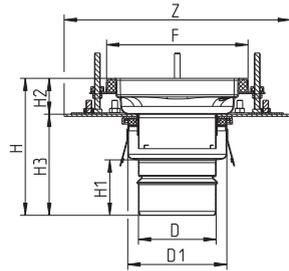
**ADJUSTABLE INDUSTRIAL DRAIN TYPE 711.403**



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

with sheet membrane

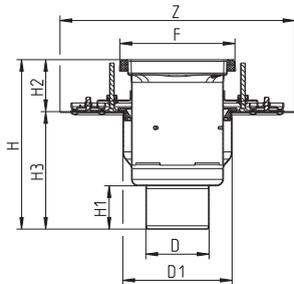
**ADJUSTABLE INDUSTRIAL DRAIN TYPE 712.402**



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

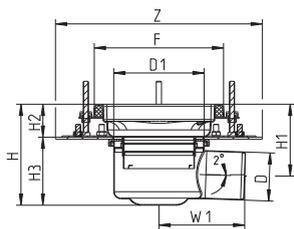
Only for removable water trap type 502 and 503 or P-trap.

**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**

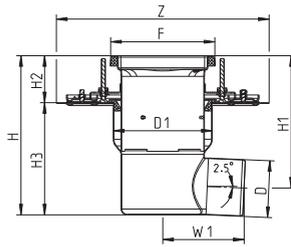


Type no.	EAN no.	D	D1	F	Z	H	H1	H2	H3	W1	Holes for screws
715.402.075	5705499108804	75	140	200x200	Ø320	157-195	112-150	51-81	106-114	133	0

Only for removable water trap type 502 and 503.

with sheet membrane

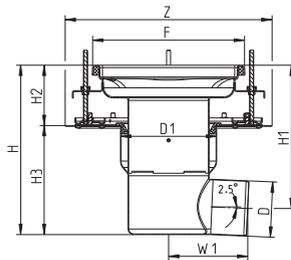
**ADJUSTABLE INDUSTRIAL DRAIN TYPE 771.40**



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.

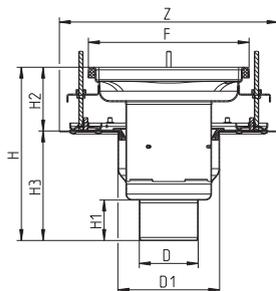
**ADJUSTABLE INDUSTRIAL DRAIN TYPE 715.403**



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

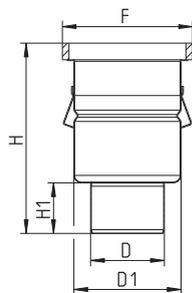
Drains with outlet other than D=110mm come with adaptor.

**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

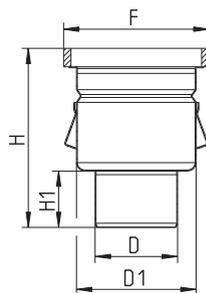
**INDUSTRIAL DRAIN TYPE 760.50**



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, LOW MODEL TYPE 766.50**

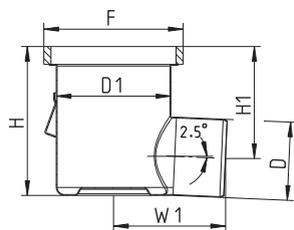


Type no.	EAN no.	D	D1	F	H	H1	Holes for screws
766.502.075	5705499110449	75	160	Ø195	230	65	0
766.502.110	5705499110463	110	160	Ø195	241	76	0
766.503.075	5705499110487	75	260	Ø295	268	65	0
766.503.110	5705499110500	110	260	Ø295	279	76	0
766.503.160	5705499110524	160	260	Ø295	298	95	0

Only for low filter basket together with water trap.

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

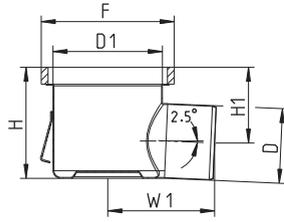
**INDUSTRIAL DRAIN TYPE 763.50**



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.

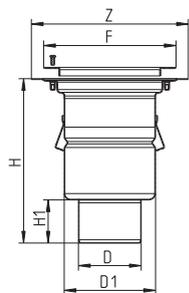
**INDUSTRIAL DRAIN, LOW MODEL TYPE 726.50**



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.

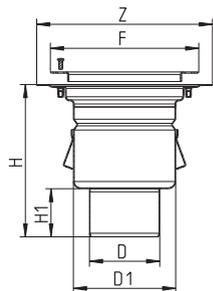
**INDUSTRIAL DRAIN TYPE 760.60**



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**

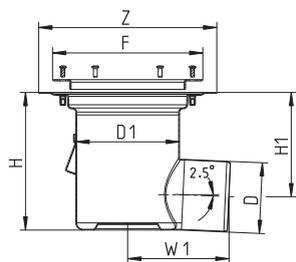


Type no.	EAN no.	D	D1	F	Z	H	H1	Holes for screws
766.602.075	5705499110548	75	160	Ø232	Ø275	229	65	0
766.602.110	5705499110562	110	160	Ø232	Ø275	240	76	0
766.603.075	5705499110586	75	260	Ø332	Ø375	268	65	0
766.603.110	5705499110609	110	260	Ø332	Ø375	279	76	0
766.603.160	5705499110623	160	260	Ø332	Ø375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

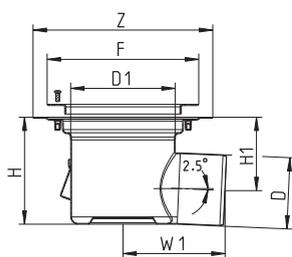


Type no.	EAN no.	D	D1	F	Z	H	H1	W1	Holes for screws
763.602.075	5705499110142	75	160	Ø232	Ø275	214	181	253	0
763.602.110	5705499110166	110	160	Ø232	Ø275	214	162	156	0
763.603.110	5705499110180	110	260	Ø332	Ø375	240	188	206	0
763.603.160	5705499110203	160	260	Ø332	Ø375	240	172-215	341	0

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

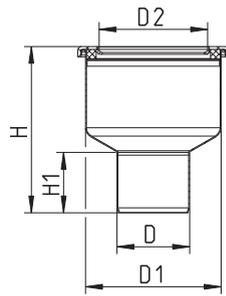
Drains with outlet other than D=110mm come with adaptor.

Only for low filter basket together with water trap.

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

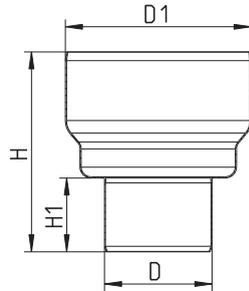
- without membrane flange

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

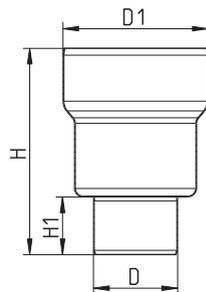
LOWER PART FOR INDUSTRIAL DRAIN TYPE 760.00



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

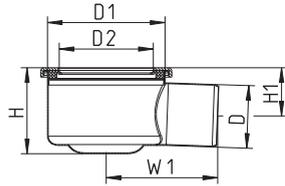


Type no.	EAN no.	D	D1	H	H1
760.072.075	5705499118742	75	190	266	65
760.072.110	5705499118766	110	190	277	76

Sealing ring included with the upper part

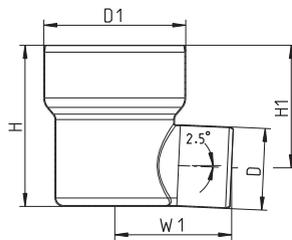
- without membrane flange

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
110.000.110	5705499129403	110	140	124	71	143	113

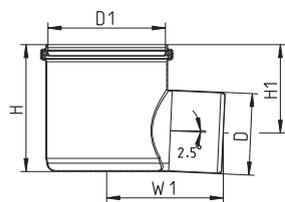
LOWER PART FOR INDUSTRIAL DRAIN TYPE 763.00



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.

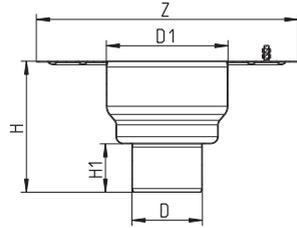
LOWER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 763.042



Type no.	EAN no.	D	D1	H	H1	W1
763.042.110	5705499131925	110	160	171	119	156
763.042.110 S	5705499131932	110	160	171	119	156

- with liquid membrane flange

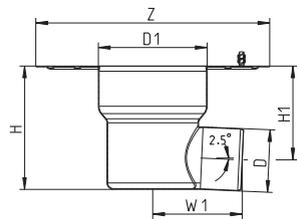
LOWER PART FOR INDUSTRIAL DRAIN TYPE 774.00



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 TYPE 769.00

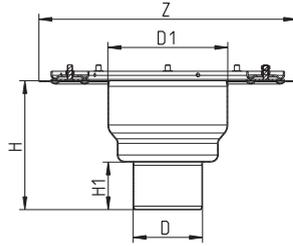


Type no.	EAN no.	D	D1	Z	H	H1	W1
769.002.075	5705499110869	75	190	Ø409	217	184	253
769.002.110	5705499110883	110	190	Ø409	217	165	156
769.003.110	5705499110906	110	291	Ø507	222	170	206
769.003.160	5705499110920	160	291	Ø507	222	154-197	341

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

- with sheet membrane flange

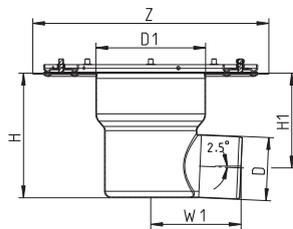
LOWER PART FOR INDUSTRIAL DRAIN TYPE 775.00



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 TYPE 771.00

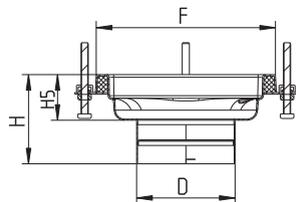


Type no.	EAN no.	D	D1	Z	H	H1	W1
771.002.075	5705499111224	75	190	Ø409	217	184	253
771.002.110	5705499111248	110	190	Ø409	217	165	156
771.003.110	5705499111262	110	291	Ø507	222	170	206
771.003.160	5705499111286	160	291	Ø507	222	154-197	341

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

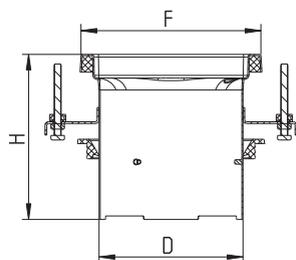
**UPPER PART FOR INDUSTRIAL DRAIN TYPE 710.40**

WITH SUPPORTING RING FOR WATER TRAP



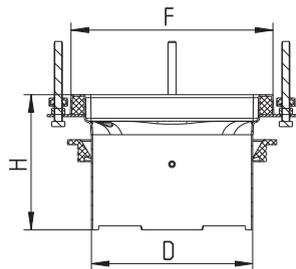
Type no.	EAN no.	D	F	H	H5	Holes for screws
710.402.000	5705499108125	110	200x200	100	51	0
710.401.000	5705499128765	110	250x250	102	53	0
710.403.000	5705499108200	160	300x300	215	65	0

**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
774.401.000	5705499128802	160	250x250	187	0
774.403.000	5705499112115	260	300x300	183	0

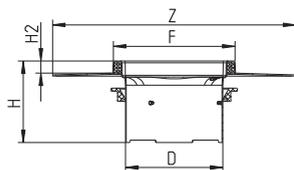
**UPPER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 774.41**



Type no.	EAN no.	D	F	H	Holes for screws
774.412.000	5705499112252	160	200x200	135	0
774.411.000	5705499128840	160	250x250	137	0
774.413.000	5705499112276	260	300x300	133	0

Only for low filter basket together with water trap

UPPER PART FOR INDUSTRIAL DRAIN, LOW MODEL TYPE 774.42

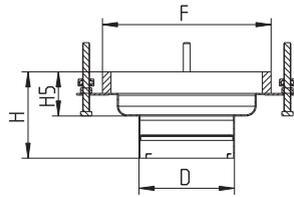


Type no.	EAN no.	D	F	Z	H	H2	Holes for screws
774.422.000	5705499112290	160	200x200	400x400	135	20	0
774.421.000	5705499128888	160	250x250	400x400	137	20	0
774.423.000	5705499112313	260	300x300	500x500	133	20	0

Only for low filter basket together with water trap

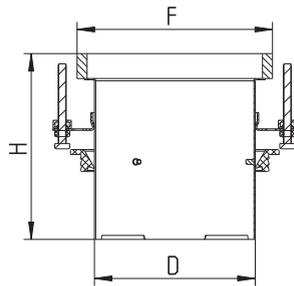
**UPPER PART FOR INDUSTRIAL DRAIN TYPE 710.50**

WITH SUPPORTING RING FOR WATER TRAP



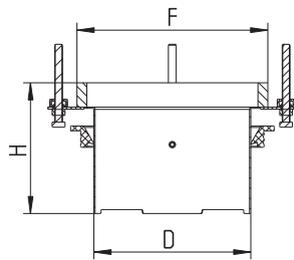
Type no.	EAN no.	D	F	H	H5
710.502.000	5705499108286	110	Ø195	100	51
710.503.000	5705499108347	160	Ø295	210	60

**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**

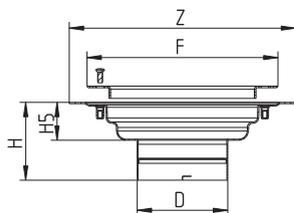


Type no.	EAN no.	D	F	H
774.512.000	5705499112450	160	Ø195	134
774.513.000	5705499112474	260	Ø295	133

Only for low filter basket together with water trap

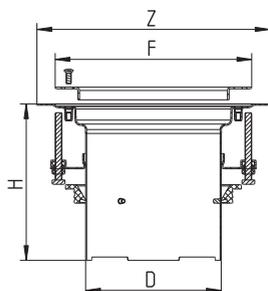
**UPPER PART FOR INDUSTRIAL DRAIN TYPE 710.60**

WITH SUPPORTING RING FOR WATER TRAP



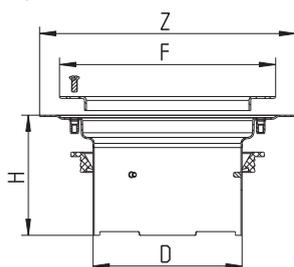
Type no.	EAN no.	D	F	Z	H	H5
710.602.000	5705499108408	110	Ø232	Ø275	95	46
710.603.000	5705499108460	160	Ø332	Ø375	210	60

**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**

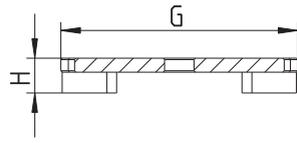


Type no.	EAN no.	D	F	Z	H
774.612.000	5705499112535	160	Ø232	Ø275	130
774.613.000	5705499112559	260	Ø332	Ø375	128

Only for low filter basket together with water trap

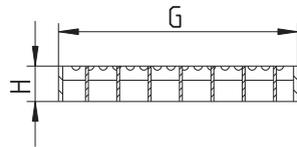
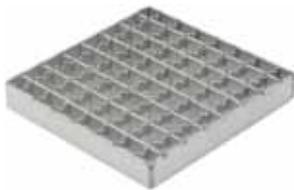
Gratings SQUARE

SLOT GRATING SQUARE



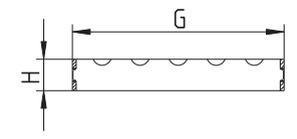
Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.10	5705499113440	170x170	25	L 5000 kg	R10	0
790.168.001.10	5705499113518	170x170	25	L 5000 kg	R10	1
790.218.000.10	5705499128710	220x220	25	L 4000 kg	R10	0
790.268.000.10	5705499113648	270x270	25	L 4000 kg	R10	0
790.268.001.10	5705499113709	270x270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

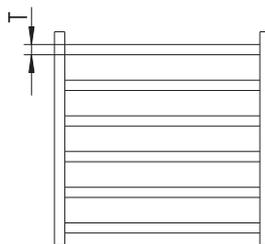
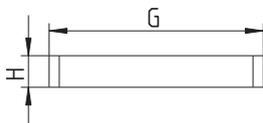


Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.168.000.25	5705499113488	168x168	25	L 6000 kg	R11	0
790.168.001.25	5705499113556	168x168	25	L 6000 kg	R11	1
790.218.000.25	5705499128703	218x218	25	L 4000 kg	R11	0
790.268.000.25	5705499113679	268x268	40	M 8400 kg	R11	0
790.268.001.25	5705499113747	268x268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

## Gratings SQUARE

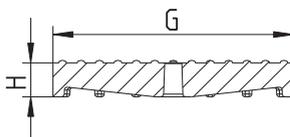
### LADDER GRATING SQUARE

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

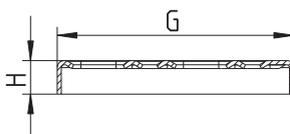
### HYGIENIC-PRO GRATING SQUARE



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

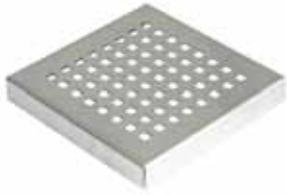
### 3MM GRATING SQUARE



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

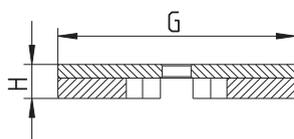
SHOWER GRATING SQUARE



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

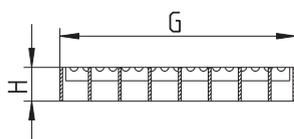
## Gratings CIRCLE

### SLOT GRATING CIRCLE



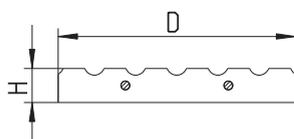
Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.10	5705499113587	Ø173	25	L 8000 kg	R10	0
790.273.000.10 S	5705499106862	Ø273	25	L 7000 kg	R10	0

### 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

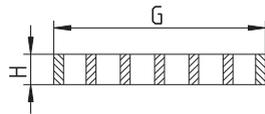


Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.25 S	5705499106831	Ø173	25	L 5000 kg	R11	0
790.273.000.25 S	5705499106879	Ø273	25	L 5000 kg	R11	0

Gratings CIRCLE

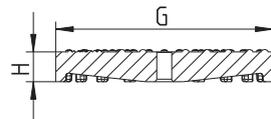
**LADDER GRATING CIRCLE**

8 MM MATERIAL, FULLY WELDED



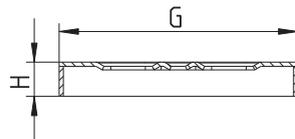
Type no.	EAN no.	G	H	EN1253	Non slip	Screws
790.173.000.28	5705499128628	Ø173	25	M 10000 kg	R11	0
790.273.000.28	5705499128635	Ø273	25	M 10000 kg	R11	0

**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

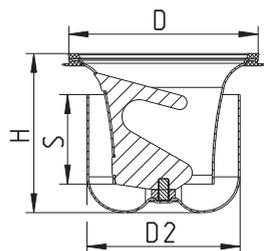
**3MM GRATING CIRCLE**



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

Water traps

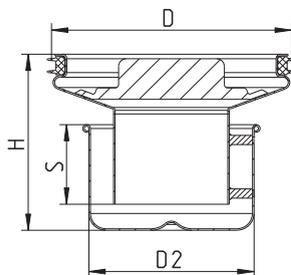
REMOVABLE TWO-PART WATER TRAP TYPE 502.050



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.

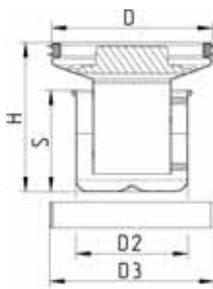
REMOVABLE WATER TRAP TYPE 562.00



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.

REMOVABLE WATER TRAP TYPE 562.08

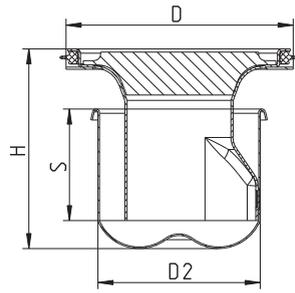


Type no.	EAN no.	D	H	S	D2	D3
562.082.000 S	5705499128475	153	143	97	157	107
562.083.000 S	5705499128482	252	156	102	256	197

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.

Water traps

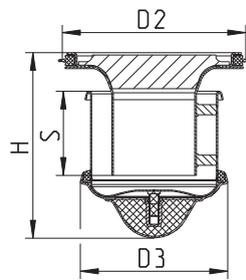
REMOVABLE WATER TRAP TYPE 502.052



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.

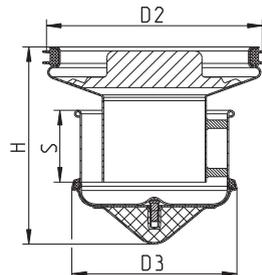
REMOVABLE WATER TRAP FIRE PROOF TYPE 502.052



Type no.	EAN no.	H	S	D2	D3	Max Flow (l/s)
502.052.110 FS	5705499120509	110	50	108	87	1.2

Accurate flow rate depending on type of drain and grating.

REMOVABLE WATER TRAP FIRE PROOF TYPE 562.00

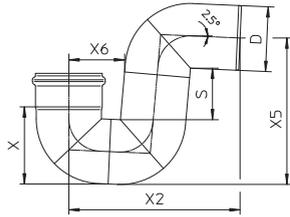


Type no.	EAN no.	H	S	D2	D3	Max Flow (l/s)
562.002.000 FS	5705499120516	143	52	157	119	3.3

Accurate flow rate depending on type of drain and grating.

Water traps

P-TRAP 87.5° TYPE 525.090



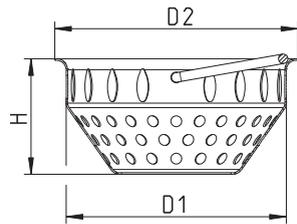
Type no.	EAN no.	D	S	X	X2	X5	X6	Max Flow (l/s)
525.090.075 S	5705499101478	75	81	93	222	189	74	2.5
525.090.110 S	5705499101485	110	89	132	289	249	94	3.4
525.090.160 S	5705499101492	160	105	187	388	338	121	7.5

Accurate flow rate depending on installation.



Others

**FILTER BASKET TYPE 780**

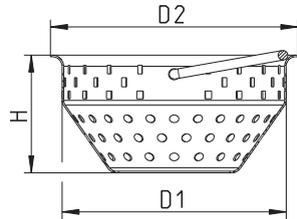


Type no.	EAN no.	D1	H	D2
780.002.000.05	5705499113358	140	74	155
780.003.000.05	5705499113402	238	75	253

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**

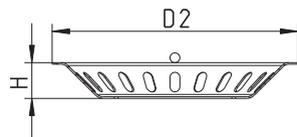
WITH 6 MM HOLES



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.

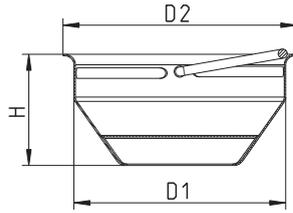
**FILTER BASKET, LOW MODEL TYPE 780**



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

Others

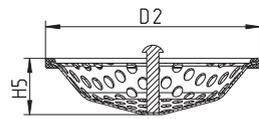
SAND BUCKET TYPE 780



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

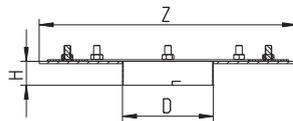
If the drain is to be fitted with both filter basket and water trap, make sure that the height of the drain is sufficient.

FILTER BASKET FOR REMOVABLE TWO-PART WATER TRAP



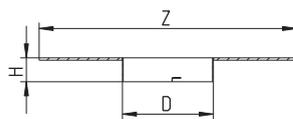
Type no.	EAN no.	H5	D2
502.000.000 S	5705499124101	24	106

MEMBRANE CLAMPING FLANGE FOR LOWER PART TYPE 325



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

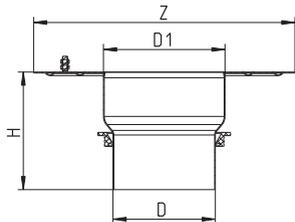
FLANGE FOR LOWER PART TYPE 326



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

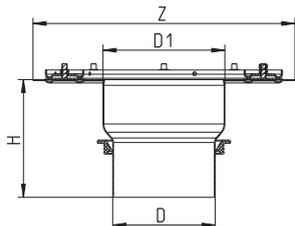
Others

**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**

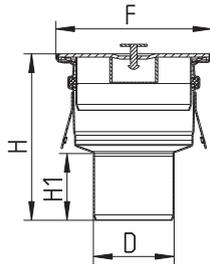


Type no.	EAN no.	D	D1	Z	H
779.002.000	5705499113136	160	190	Ø409	185
779.003.000	5705499113150	260	291	Ø507	183

without membrane

**RODDING EYE TYPE 144**

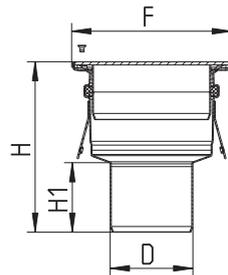
WITH PULL NIPPLE



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**

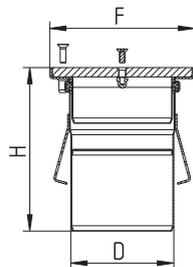
FOR VACUUM HANDLE



Type no.	EAN no.	D	F	H	H1
144.155.075 S	5705499408515	75	145x145	156	63
144.155.110 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

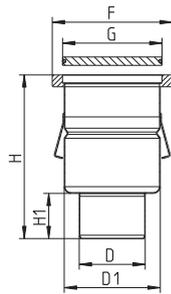


Type no.	EAN no.	D	F	H
144.155.110.10 S	5705499408539	110	155x155	176
144.205.160.10 S	5705499412284	160	200x200	160

without membrane

**GASTIGHT INDUSTRIAL DRAIN TYPE 760**

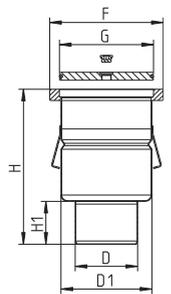
FOR VACUUM HANDLE



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**

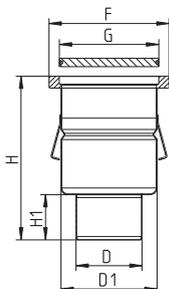
FOR THREADED KEY



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

**GASTIGHT INDUSTRIAL DRAIN TYPE 760**

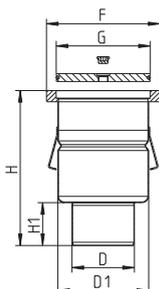
FOR VACUUM HANDLE



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**

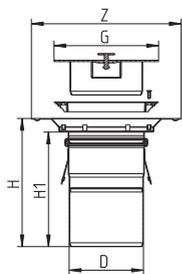
FOR THREADED KEY



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

**RODDING EYE TYPE 244**

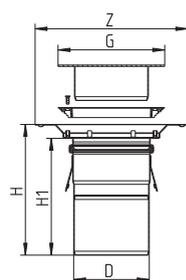
WITH PULL NIPPLE



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**

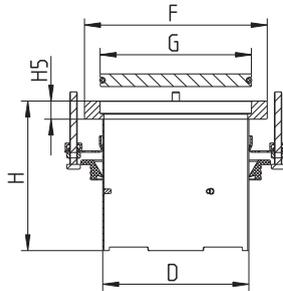
FOR VACUUM HANDLE



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**

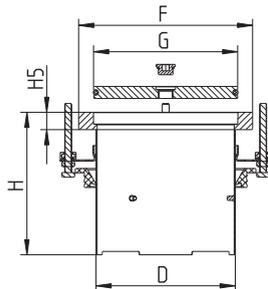
FOR VACUUM HANDLE



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**

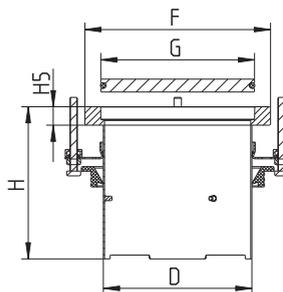
FOR THREADED KEY



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**

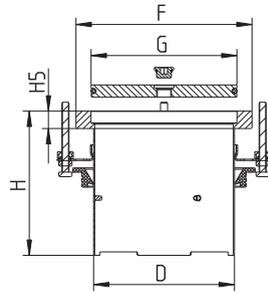
FOR VACUUM HANDLE



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

**THREADED KEY FOR GASTIGHT COVER**



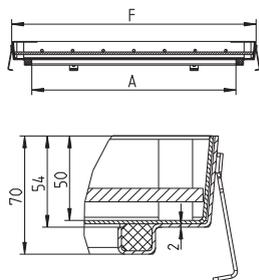
Type no.	EAN no.
700.000.001	5705499115567

**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**

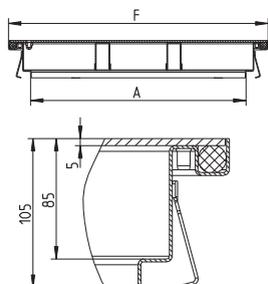


Type no.	EAN no.	Name	F	A	EN124
792.030.030	5705499127508	300x300	418x418	300	B 12500 kg
792.040.040	5705499127515	400x400	518x518	400	B 12500 kg
792.060.060	5705499127522	600x600	718x718	600	B 12500 kg
792.080.080	5705499127539	800x800	918x918	800	B 12500 kg
792.100.100	5705499127546	1000x1000	1118x1118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

## 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](http://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

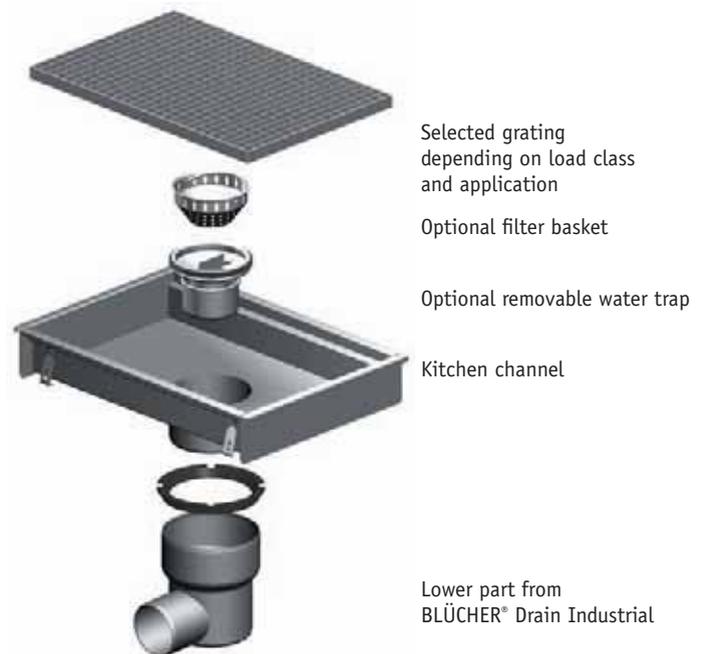
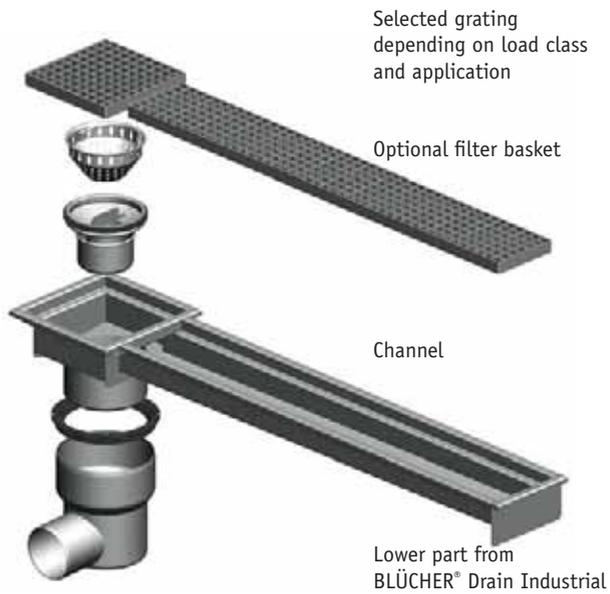
In addition to the BLÜCHER® standard channel range, BLÜCHER also offers purpose-made channels on request to ensure that all drainage requirements can be satisfied.

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: Beverage production, chemical plants, breakwaters, abattoirs, food and beverage production



**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):  
Typical applications:

### Kitchen channel for vinyl floors

400 or 500 mm  
400, 500, 800 or 1000 mm  
Kitchens  
OD200 or OD300 mm  
Kitchens



### Installation examples

Concrete and tiles without membrane



Vinyl



Mounting bracket for precise height adjustment



Installation videos available at [www.blucher.com](http://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)

<b>Material grade</b>	
(blank)	Stainless steel AISI 304
S	Stainless steel AISI 316L
<b>Height</b>	
00	Industrial upper part
06	60 mm
11	110 mm
15	150 mm
<b>Length</b>	
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
<b>Outlet dimension</b>	
H	Ø110 mm
K	Ø160 mm
<b>Width</b>	
C	250 (250x250 mm upper part)
D	200 (200x200 mm upper part)
E	300 (300x300 mm upper part)
F	400
G	500
<b>Type</b>	
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

# 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

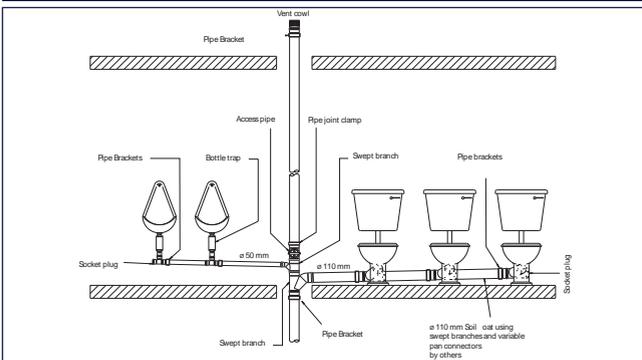
## Options

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

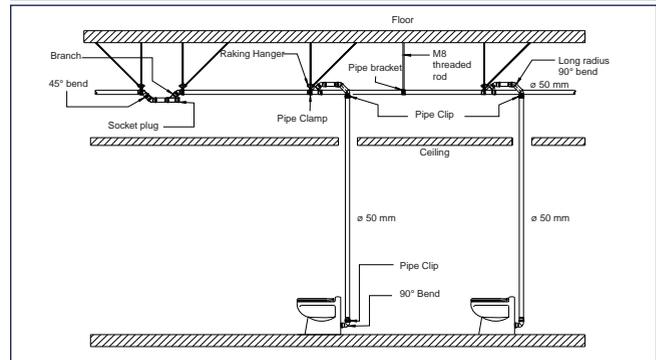
## Complete systems

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

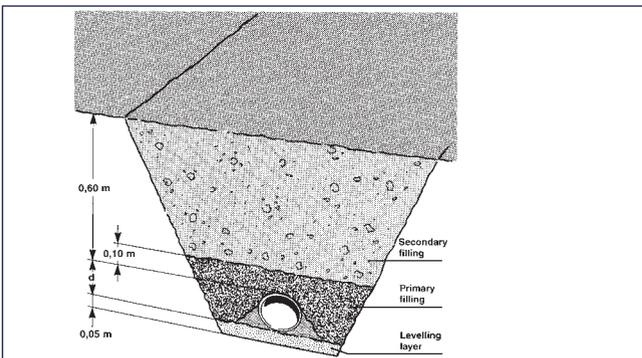
Waste-water drainage system, gravity



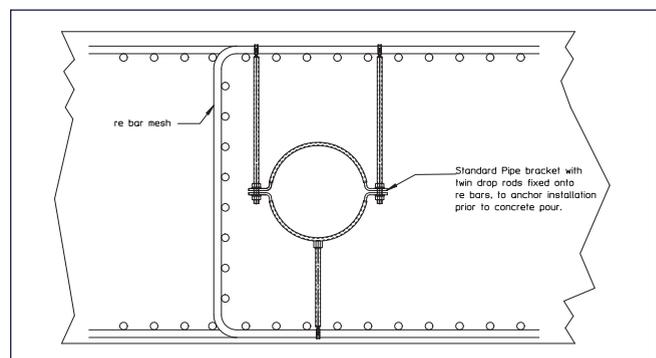
Waste-water drainage system, vacuum



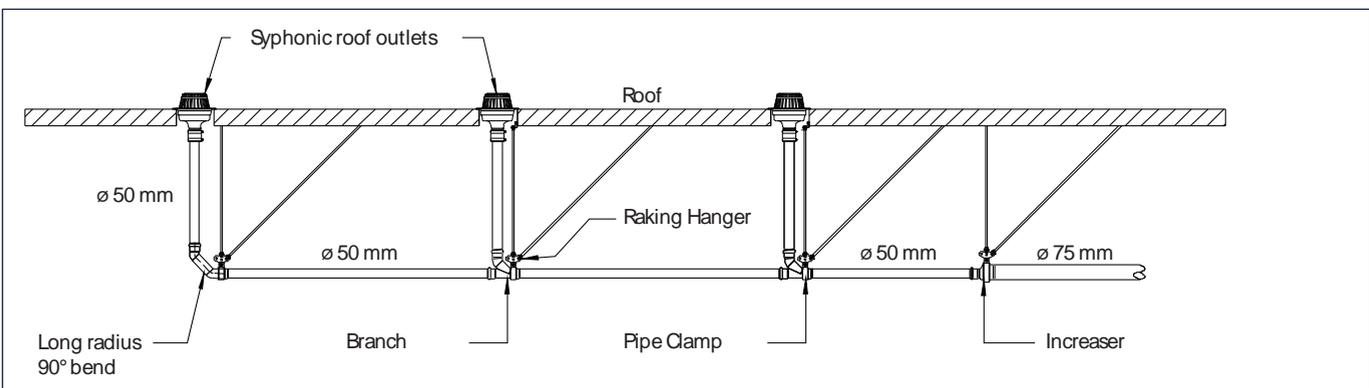
Below ground installation



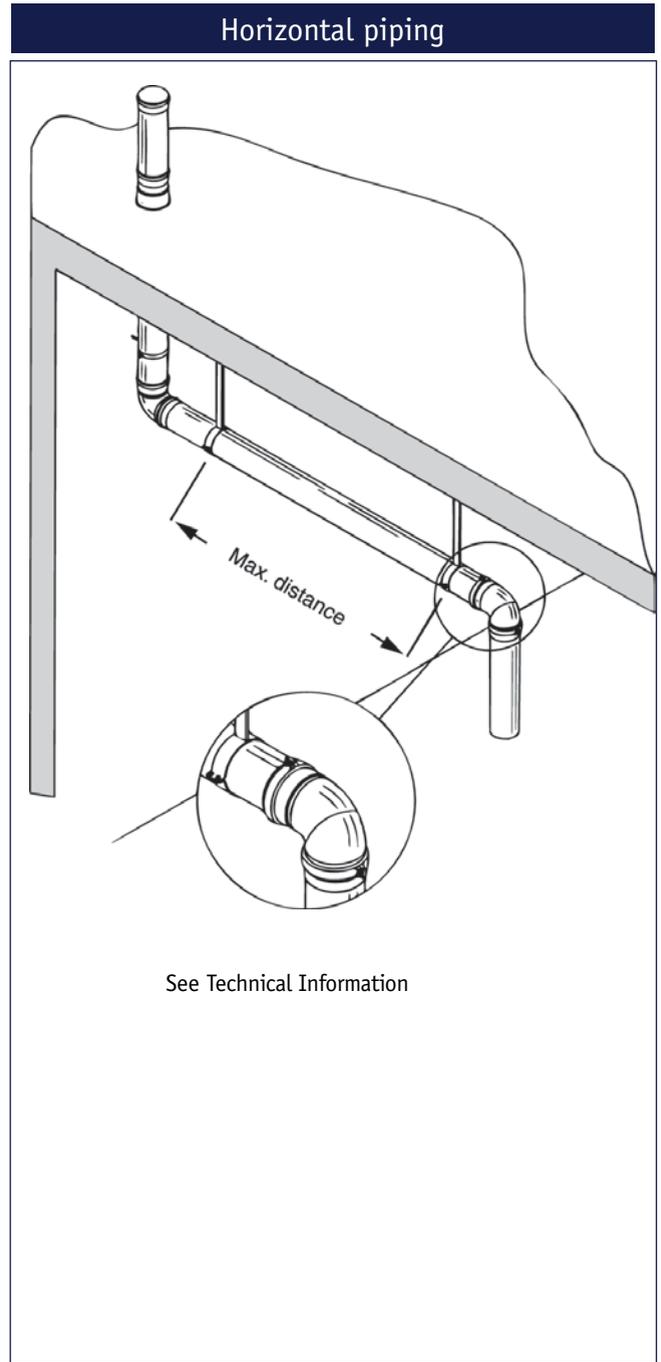
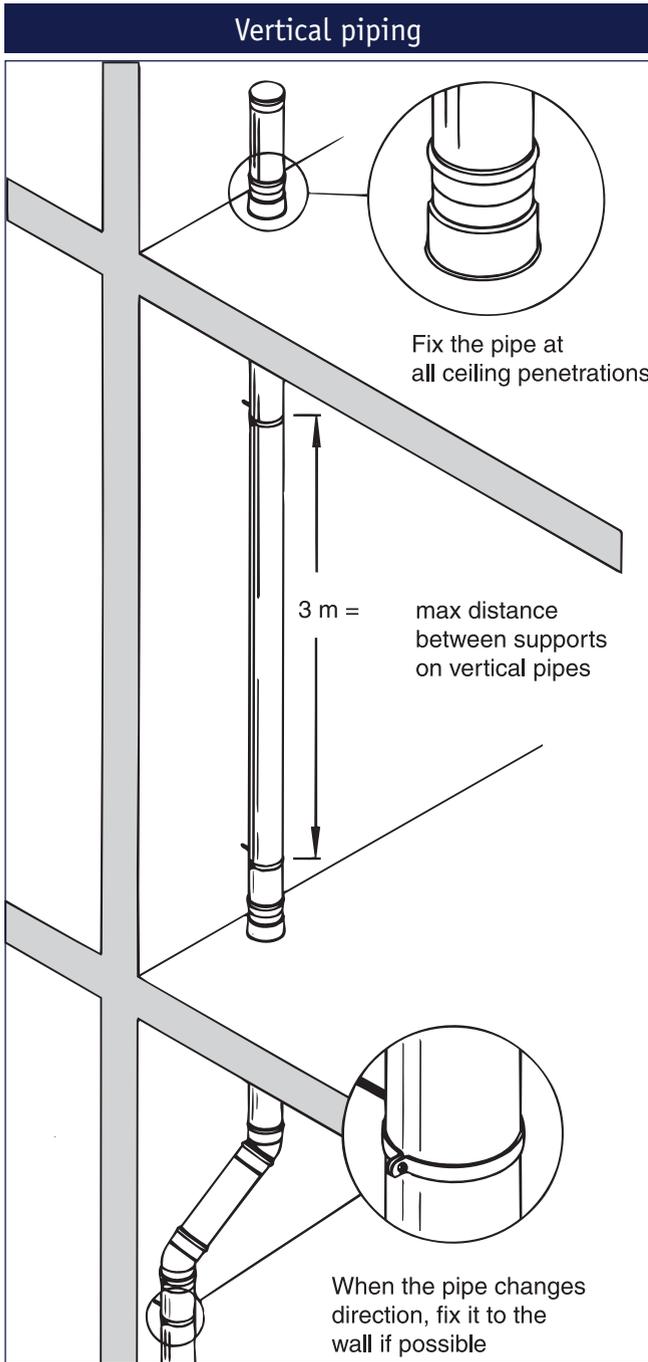
Below ground, pipes cast in raft foundation



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.

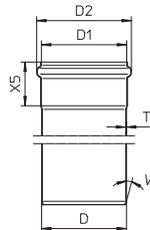
**For further specifications and installation advice see the catalogue: "Technical information on BLÜCHER® EuroPipe".**

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.

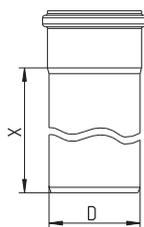
**DIMENSIONAL DRAWING, SOCKET AND SPIGOT END**

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.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

**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	4,00
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
-----				
811.015.110	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
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

Continues on next page

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

For latest prices and delivery to your door visit MyTub Ltd - 0845 303 8383 - [www.mytub.co.uk](http://www.mytub.co.uk) - [info@mytub.co.uk](mailto:info@mytub.co.uk)

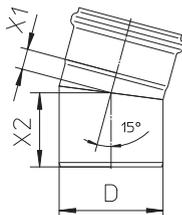


## STRAIGHT PIPE WITH ONE SOCKET TYPE 811

Type no.	EAN no.	D	X	Kg
Continued from previous page				
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

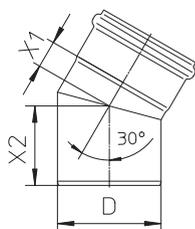
- Bends

**BEND 15° TYPE 820.015**



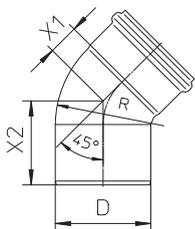
Type no.	EAN no.	D	X1	X2	Kg
820.015.040	5705499412857	40	15	53	0,20
820.015.050	5705499401127	50	19	53	0,15
820.015.075	5705499401141	75	21	65	0,28
820.015.110	5705499401165	110	25	78	0,47
820.015.125	5705499408607	125	19	84	0,56
820.015.160	5705499401189	160	29	99	1,08
820.015.200 S	5705499410976	200	31	123	1,99
820.015.250 S	5705499121599	250	38	136	3,03

**BEND 30° TYPE 820.030**



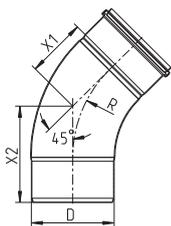
Type no.	EAN no.	D	X1	X2	Kg
820.030.040	5705499412871	40	18	55	0,20
820.030.050	5705499401226	50	23	57	0,16
820.030.075	5705499401240	75	25	70	0,28
820.030.110	5705499401264	110	33	86	0,51
820.030.125	5705499408652	125	28	98	0,63
820.030.160	5705499401288	160	40	110	1,19
820.030.200 S	5705499410983	200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

**BEND 45° TYPE 820.045**



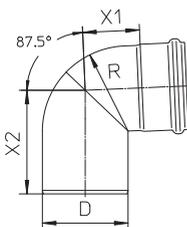
Type no.	EAN no.	D	X1	X2	R	Kg
820.045.040	5705499412895	40	21	58	40	0,13
820.045.050	5705499401301	50	27	60	50	0,17
820.045.075	5705499401325	75	34	76	75	0,30
820.045.110	5705499401349	110	43	93	110	0,56
820.045.125	5705499408676	125	58	111	125	0,73
820.045.160	5705499401363	160	57	128	172	1,55

**BEND, LARGE RADIUS 45° TYPE 820.045**



Type no.	EAN no.	D	X1	X2	R	Kg
820.045.200 S	5705499410990	200	144	234	300	4,18
820.045.250 S	5705499121612	250	184	280	375	6,53

**BEND 87.5° TYPE 820.090**

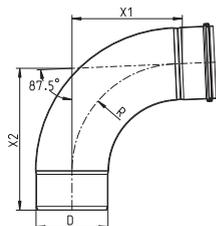


Type no.	EAN no.	D	X1	X2	R	Kg
820.090.040	5705499412918	40	32	79	40	0,16
820.090.050	5705499401387	50	41	87	50	0,21
820.090.075	5705499401400	75	54	108	75	0,39
820.090.110	5705499401424	110	74	136	110	0,67
820.090.125	5705499408720	125	93	161	125	1,68
820.090.160	5705499401448	160	103	184	171	2,10

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

- Bends

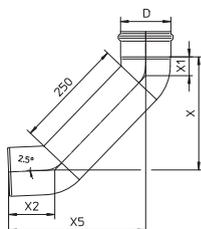
**BEND, LARGE RADIUS 87.5° TYPE 820.090**



Type no.	EAN no.	D	X1	X2	R	Kg
820.090.200 S	5705499411423	200	307	397	300	6,41
820.090.250 S	5705499121629	250	388	484	375	9,88

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

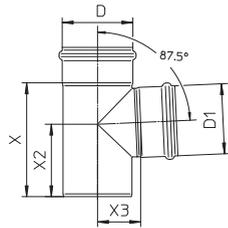
**BEND, LONG RADIUS 87.5° , 250 MM TYPE 821.090**



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	288	54	130	354	3,25

- Branches

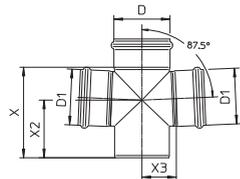
**BRANCH 87.5° TYPE 830**



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
830.050.110	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
830.075.110	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
830.110.110	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

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

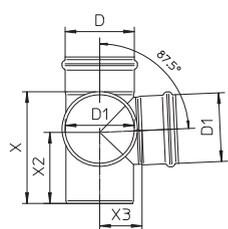
**DOUBLE BRANCH 87.5° TYPE 831**



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.

**DOUBLE BRANCH 87.5° TYPE 832**

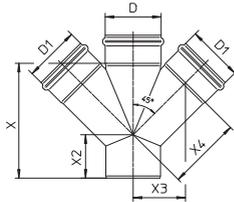


Type no.	EAN no.	D	D1	X	X2	X3	Kg
832.050.050	5705499401943	50	50	106	71	35	0,36
832.050.075	5705499401967	75	50	139	98	49	0,54
832.050.110	5705499401981	110	50	132	93	66	0,72
832.075.075	5705499402001	75	75	139	90	52	0,66
832.075.110	5705499402025	110	75	152	104	69	0,89
832.110.110	5705499402049	110	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.

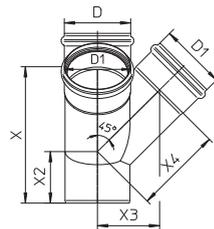
- Branches

DOUBLE BRANCH 45° TYPE 836



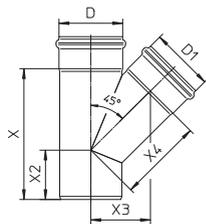
Type no.	EAN no.	D	D1	X	X2	X3	X4	Kg
836.050.050 S	5705499402117	50	50	128	57	54	76	0,59
836.050.075 S	5705499402131	75	50	144	56	66	94	0,69
836.050.110 S	5705499402155	110	50	147	42	84	119	0,80
836.075.075 S	5705499402179	75	75	183	74	78	110	1,15
836.075.110 S	5705499402193	110	75	182	60	95	135	1,31
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



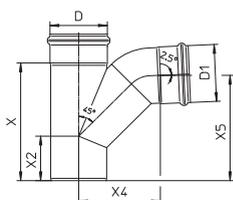
Type no.	EAN no.	D	D1	X	X2	X3	X4	Kg
837.050.050 S	5705499402254	50	50	128	57	54	76	0,49
837.050.075 S	5705499402278	75	50	144	56	66	94	0,67
837.050.110 S	5705499402285	110	50	147	42	84	119	0,92
837.075.075 S	5705499402292	75	75	183	74	78	110	1,43
837.075.110 S	5705499402308	110	75	182	60	95	135	1,31
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
838.040.040 S	5705499413007	40	40	118	58	45	63	0,50
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
838.050.110	5705499402391	110	50	147	42	84	119	0,70
838.075.075	5705499402414	75	75	183	78	78	110	0,64
838.075.110	5705499402438	110	75	181	60	95	135	0,88
838.075.125	5705499409314	125	75	200	65	100	141	1,32
838.110.110	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
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

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

Continues on next page

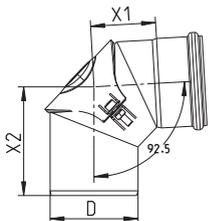
- Branches

SWEPT BRANCH 87.5° TYPE 839

Type no.	EAN no.	D	D1	X	X2	X4	X5	Kg
Continued from previous page								
839.200.200 S	5705499412611	200	200	415	151	428	434	15,00
839.250.250 S	5705499412628	250	250	512	177	532	525	12,56

- Access pipes and bends

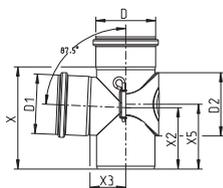
**BEND 87.5° WITH ACCESS TYPE 822**



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

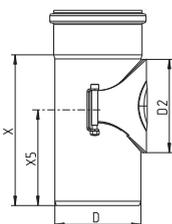
**BRANCH 87.5° WITH ACCESS TYPE 834**



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.

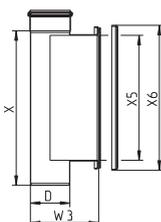
**PIPE WITH ACCESS TYPE 840**



Type no.	EAN no.	D	D2	X	X5
840.075.075	5705499402674	75	80	139	92
840.110.110	5705499403794	110	120	194	123
840.125.125 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**

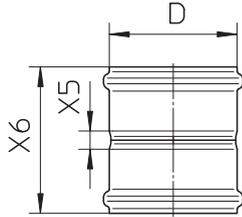


Type no.	EAN no.	D	W3	X	X5	X6
840.000.110 S	5705499127553	110	190	433	350	406
840.000.160 S	5705499127560	160	265	499	400	456
840.000.200 S	5705499127577	200	330	618	500	556
840.000.250 S	5705499127584	250	405	742	600	656

For below ground

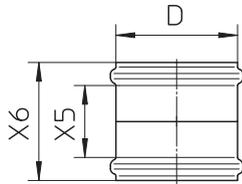
- Sockets

**DOUBLE COUPLING TYPE 841**



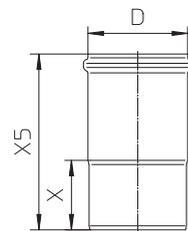
Type no.	EAN no.	D	X5	X6	Kg
841.040.040	5705499413038	40	20	104	0,13
841.050.050	5705499402735	50	13	97	0,15
841.075.075	5705499402759	75	20	120	0,26
841.110.110	5705499402773	110	16	130	0,45
841.125.125	5705499409475	125	20	140	0,54
841.160.160	5705499402797	160	20	162	1,05
841.200.200 S	5705499411065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

**DOUBLE SLIP COUPLING TYPE 842**



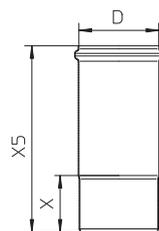
Type no.	EAN no.	D	X5	X6	Kg
842.040.040 S	5705499413069	40	76	104	0,13
842.050.050 S	5705499402810	50	71	97	0,12
842.075.075 S	5705499402827	75	91	120	0,21
842.110.110 S	5705499402834	110	97	130	0,45
842.125.125 S	5705499409550	125	104	140	0,47
842.160.160 S	5705499402841	160	118	162	1,05
842.200.200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

**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

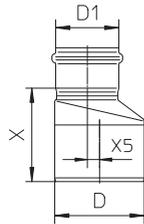
**EXPANSION SOCKET, LONG MODEL TYPE 869**



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
869.181.110	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

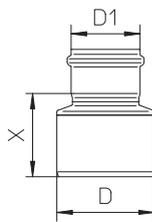
- Increasesers and reducers

**INCREASER ECCENTRIC TYPE 850**



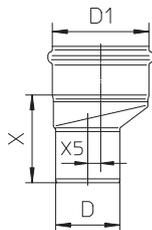
Type no.	EAN no.	D	D1	X	X5	Kg
850.040.050 S	5705499413397	50	40	85	5	0,16
850.050.075	5705499403084	75	50	87	7	0,22
850.050.075 S	5705499403091	75	50	87	7	0,22
850.050.082 S	5705499412062	82	50	97	14	0,25
850.050.110	5705499403107	110	50	114	25	0,38
850.050.110 S	5705499403114	110	50	114	25	0,38
850.075.110	5705499403138	110	75	116	15	0,42
850.075.110 S	5705499403152	110	75	116	15	0,42
850.075.160	5705499403169	160	75	178	37	1,20
850.075.160 S	5705499403176	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
850.110.160 S	5705499403213	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

**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
850.075.110 CS	5705499409741	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	5705499121698	250	200	176	1,98

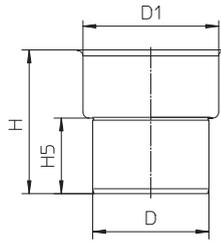
**REDUCER ECCENTRIC TYPE 850**



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	189	25	1,00

- Adaptors

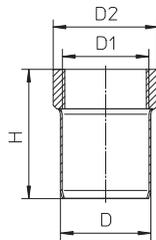
**ADAPTOR FOR CAST IRON PIPE TYPE 853**



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

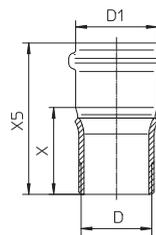
**FEMALE ADAPTOR TYPE 885**



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**

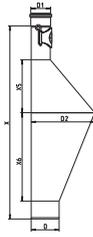


Type no.	EAN no.	D	D1	X	X5	Kg
886.050.032	5705499410693	1¼	50	55	97	0,25
886.050.040 S	5705499403497	1½	50	56	98	0,23
886.050.050 S	5705499403503	2	50	56	98	0,27

D specified in inches ("). BSP thread.

- Rat stops

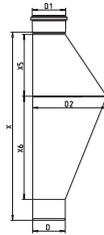
**RAT STOP WITH ACCESS TYPE 891**



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

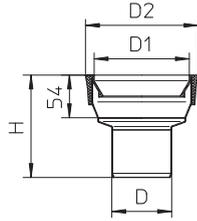
**RAT STOP WITHOUT ACCESS TYPE 892**



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 855.090

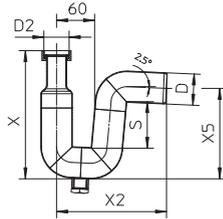


Type no.	EAN no.	D	D1	H.	D2	Kg
855.090.075 S	5705499403299	75	110	129	141	0,42
855.090.082 S	5705499412123	82	110	136	141	0,51
855.090.110 S	5705499403305	110	110	124	141	0,39

Water traps

**P-TRAP 87.5° TYPE 525**

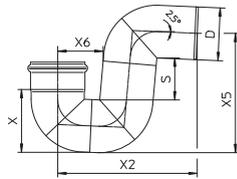
WITH COUPLING AND DRAIN PLUG



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**



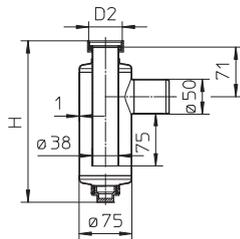
Type no.	EAN no.	D	S	X	X2	X5	X6
525.090.050 S	5705499101461	50	74	67	175	145	60
525.090.075 S	5705499101478	75	81	93	222	189	74
525.090.110 S	5705499101485	110	89	132	289	249	94
525.090.125 S	5705499117974	125	110	158	330	292	102
525.090.160 S	5705499101492	160	105	187	388	338	121

**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.

**BOTTLE WATER TRAP TYPE 505**

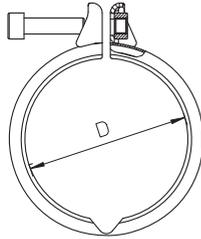


Type no.	EAN no.	H	D2
505.032.050 S	5705499101447	250	1¼
505.040.050 S	5705499101454	233	1½
505.050.050 S	5705499114058	243	2

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

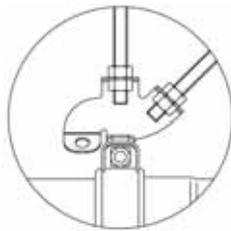
Clamps

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
847.110.110	5705499412444	110
847.125.125	5705499412451	125
847.160.160	5705499412468	160
847.200.200	5705499412475	200
847.250.250	5705499121773	250

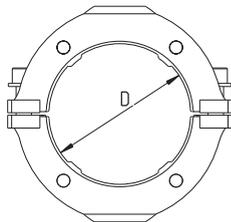
CROSS RAKING FIXING FOR PIPE JOINT CLAMP TYPE 847



Type no.	EAN no.
847.000.000	5705499409628

Pipework system fitted with this product is suitable for up to +3 bar pressure and -0,85 bar vacuum

PRESSURE PEAK PIPE JOINT CLAMP TYPE 847.001

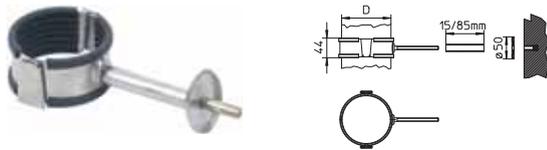


Type no.	EAN no.	D
847.001.040	5705499413106	40
847.001.050	5705499412499	50
847.001.075	5705499412505	75
847.001.082	5705499412512	82
847.001.110	5705499412529	110
847.001.125	5705499412536	125
847.001.160	5705499412543	160

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

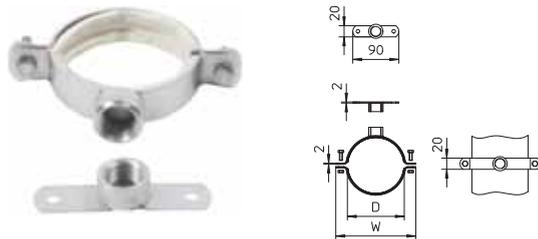
Pipe hangers

PIPE HANGER WITH TPE RUPPER 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

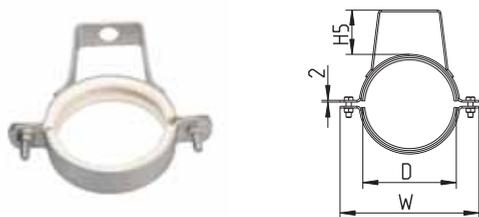
PIPE HANGER WITH EPDM RUBBER TYPE 895.012



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 895.401

IN GALVANIZED STEEL



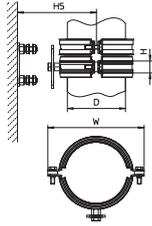
Type no.	EAN no.	D	H	W	X5	T	Nut
895.401.040	5705499413144	40	20	83	41	1.25	M8/M10
895.401.050	5705499128024	50	20	97	49	1.25	M8/M10
895.401.075	5705499128031	75	23	122	61	2	M8/M10
895.401.110	5705499128048	110	23	157	78	2	M8/M10
895.401.125	5705499128055	125	23	169	84	2	M8/M10
895.401.160	5705499128062	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

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

Pipe hangers

**PIPE HANGER WITH EPDM RUBBER TYPE 895.402**

IN GALVANIZED STEEL

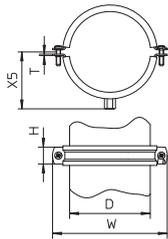


Type no.	EAN no.	D	H	H5	W
895.402.050	5705499128093	50	25	52-62	125
895.402.075	5705499128109	75	25	83-93	154
895.402.110	5705499128116	110	25	100-110	176
895.402.125	5705499128123	125	25	108-118	199
895.402.160	5705499128130	160	25	127-137	234
895.402.200	5705499128147	200	25	152-162	274
895.402.250	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

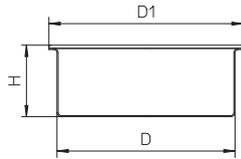


Type no.	EAN no.	D	H	W	X5	T	Nut
895.403.050 S	5705499128161	50	20	97	41	1.5	M8
895.403.075 S	5705499128178	75	20	118	51	2	M8
895.403.110 S	5705499128185	110	20	158	72	2.5	M10
895.403.125 S	5705499128192	125	20	170	78	2.5	M10
895.403.160 S	5705499128208	160	25	233	101	2.5	M10
895.403.200 S	5705499128215	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

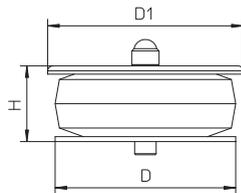
SOCKET PLUG TYPE 844.000



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 844.100



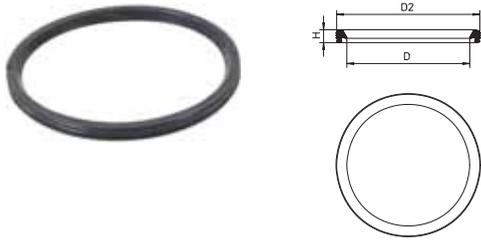
Type no.	EAN no.	D	D1	H.
844.100.050 S	5705499411393	50	59	31
844.100.075 S	5705499411409	75	83	36
844.100.110 S	5705499411416	110	118	36
845.000.160 S	5705499403008	160	170	45

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**

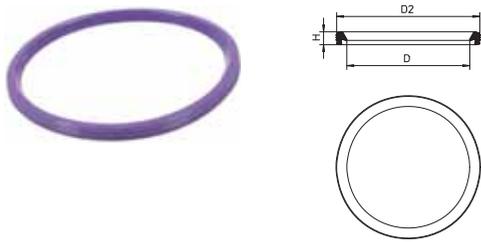
FOR STANDARD USE



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.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

**FPM LIP SEALING RING PURPLE 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.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	282.0

**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 pipe cutter 006.050.110
006.000.000	5705499000016	Cutting disc for pipe cutter 006.050.110
006.000.001	5705499001068	Cutting disc for pipe cutter 006.125.200

**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

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

#### 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

# 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 <sup>3</sup> )	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 × 10 <sup>-6</sup>	16,5 × 10 <sup>-6</sup>
Specific resistance (20° C) (Ohm · mm <sup>2</sup> /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 <sup>2</sup> )	490 - 690	500 - 700
Yield point (Rp02) (N/mm <sup>2</sup> )	190	195
Modulus of elasticity (E) (20° C) (N/mm <sup>2</sup> )	2,0 × 10 <sup>5</sup>	2,0 × 10 <sup>5</sup>
Hardness Brinell (HB) (N/mm <sup>2</sup> )	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 HNO<sub>3</sub> (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.

	AISI 316 L Stainless	AISI 304 Stainless	EPDM	NBR	PPM
A = Very good service to operating limit of material B = Moderate service C = Limited or variable service D = Unsatisfactory					
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

	AISI 316 L Stainless	AISI 304 Stainless	EPDM	NBR	PPM
A = Very good service to operating limit of material B = Moderate service C = Limited or variable service D = Unsatisfactory					
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	-	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/xylol	A	A	-	-	-
Zinc sulfate	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

### 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
Tensile strength MPa	≥ 10 N/mm <sup>2</sup>	≥ 10 N/mm <sup>2</sup>	≥ 8 N/mm <sup>2</sup>
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 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](http://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](http://www.blucher.com)

As a supplement to the printed installation instructions for the BLÜCHER® products, installation videos are available at [www.blucher.com](http://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](http://www.blucher.com)

**BLÜCHER® EuroPipe**

**BLÜCHER® Channel**

**BLÜCHER® Drain**



KEEPING UP THE FLOW

BLÜCHER · DK-7480 Vildbjerg · Tel. +45 99 92 08 00 · [mail@blucher.com](mailto:mail@blucher.com) · [www.blucher.com](http://www.blucher.com)

A Division of Watts Water Technologies Inc.

For latest prices and delivery to your door visit MyTub Ltd - 0845 303 8383 - [www.mytub.co.uk](http://www.mytub.co.uk) - [info@mytub.co.uk](mailto:info@mytub.co.uk)