

BIRCOsir Point Drainage | Getting to the point with open space drainage

Drainage concepts for open areas and spaces:

BIRCOsir point drainage's large inlet cross sections guarantee top draining performance. Its high level of durability and the attractive range of gratings make the system universally applicable with plenty of design choice flexibility in both the private and commercial sectors.

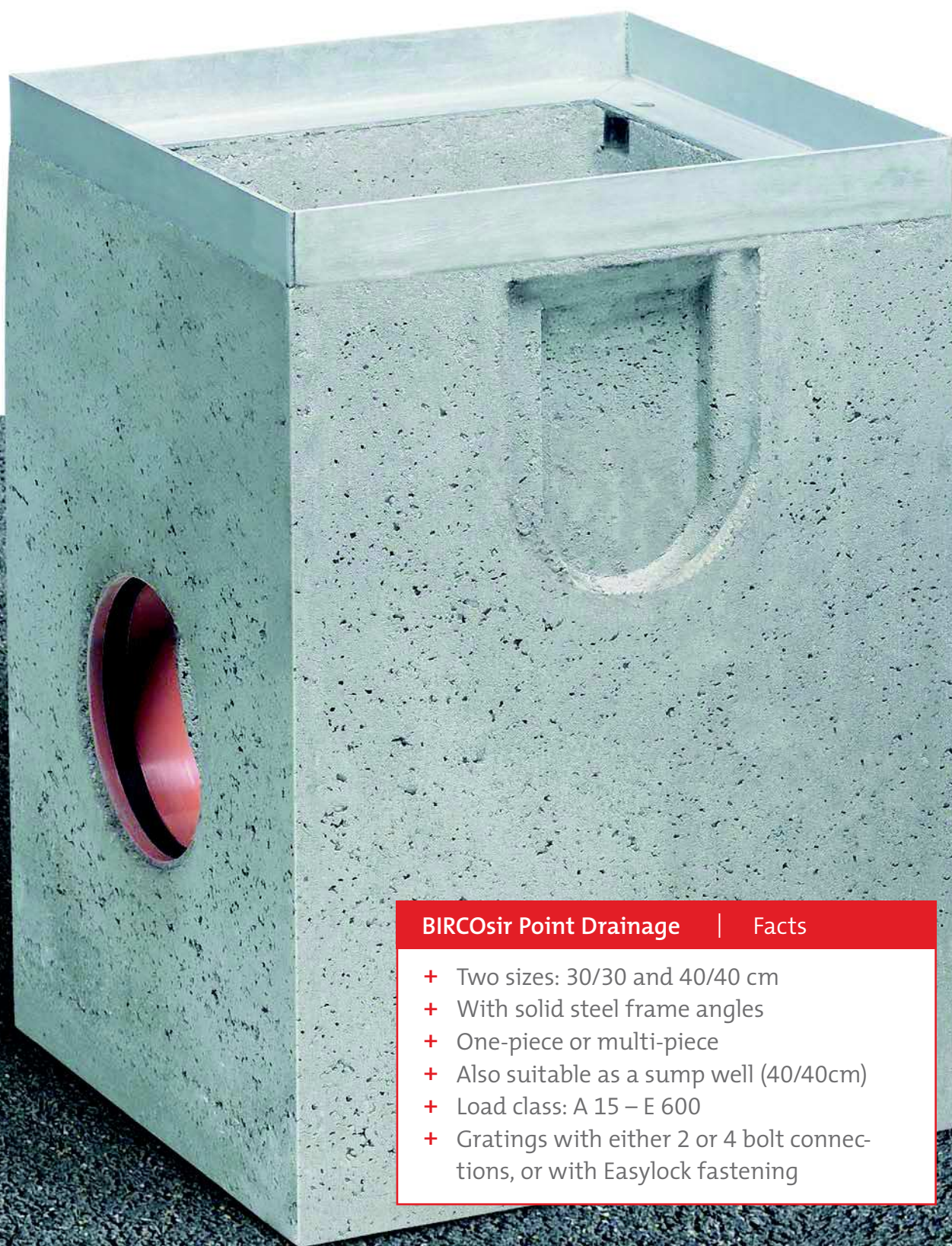
+ A 15 to E 600



For the point drainage of open spaces and areas, which demands best hydraulical capacities and load capacities.

BIRCOsir Point Drainage | Areas of application

- + Open spaces and areas in the commercial and private sectors, courtyards
- + Heavy traffic areas
- + Parking lots also used by lorries (supermarkets, freighting companies, etc.)
- + Also available as a sump well
- + Also suitable for the installation of lighting



BIRCOsir Point Drainage | Facts

- + Two sizes: 30/30 and 40/40 cm
- + With solid steel frame angles
- + One-piece or multi-piece
- + Also suitable as a sump well (40/40cm)
- + Load class: A 15 – E 600
- + Gratings with either 2 or 4 bolt connections, or with Easylock fastening

BIRCOsir Point Drainage | Getting to the point with open space drainage

BIRCOsir point drainage is your sensible supplement to linear drainage concepts, offering great draining performance and high load reserves.

i **Diversely applicable**

- + Also for connection to BIRCOsir linear drainage
- + Modular construction and a variety of sizes make point drainage possible with construction heights of up to 1200 mm.

Faster, safer installation

- + Predetermined breaking points in the upper section (linear drainage) and integrated sleeves for pipe connection save time in installation.

Traffic safety

- + High level of traffic safety thanks to 2 or 4 bolt connection per grating. Connection options: Easylock or bolts, by individual choice..

Corrosion protection

- + Stability and corrosion protection: 4 mm solid steel frame angles with a 70 µm zinc coating anchored in concrete.

Best workmanship quality

- + High quality C 40/50 concrete, suitable for loads up to Class E 600.

i **Attractive design**

- + Flexible design possibilities thanks to different grating options.

Chemnitz Train Station – Point and linear drainage

410 metres of asymmetrical BIRCO slotted stainless steel channels were laid in the forecourt at the Chemnitz Train Station and embedded in top quality “Sora-Lamporphyr” stone slab flooring. Next to this area, a natural cobblestone

channel embedded in a natural stone covering ensures efficient drainage. This is connected to a BIRCOsir 40/40 outfall unit with a slotted grating. Combined point and linear drainage.



Blittersdorfplatz in Frankfurt – An oasis in the banking centre



The idea behind the renovation of Blittersdorfplatz in Frankfurt was a place to rest and relax, as well as significantly increase the appeal and value of the entire area. A basin design was selected and furnished with highly

effective BIRCO point drainage equipped with 12 BIRCOsir 40/40 outfall units, combining aesthetic appeal and efficiency.

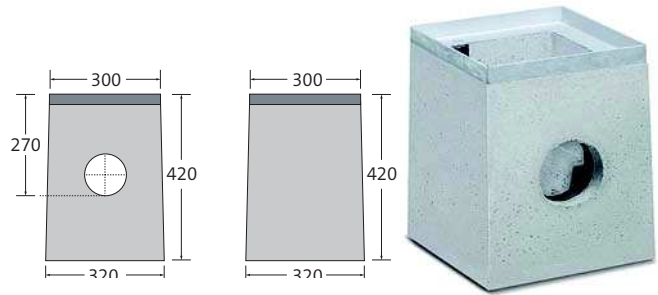


BIRCOsir Point Drainage

Getting to the point with open space drainage

Outfall unit | 30/30 | 1-piece

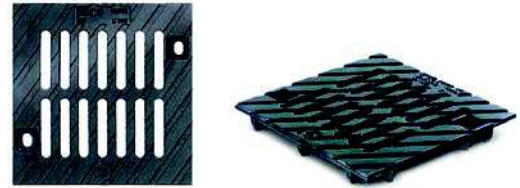
- + Also for drainage channel connection on two sides (NW 100)
- + PP odour trap, PP silt bucket
- + Integrated socket for DN 100 pipe connection
- + With hot-dipped galvanised solid steel angle for combi-closure system
- + As special solution also with stainless steel angle (V2A, combi-closure system not in V2A)



Description	Length at top/ at bottom	Width at top/ at bottom	Construction height	Weight	Load class DIN EN 1433	Article No.
to No. 10	300/320 mm	300/320 mm	420 mm	59.0 kg	A 15 – E 600	080000

Cast slotted grating | twofold

- + Black immersion-lacquered
- + 2 point M12/A2 bolt connection
- + 2 point Easylock-fastening (alternatively)
- + On request also available galvanised



Description	Length	Width	Height	Weight	Inlet opening	Inlet cross section	Load class	Article No.
for OU 30/30	280 mm	280 mm	30 mm	7.4 kg	SW 93/17 mm	213 cm ² /m	A 15 – E 600	080001/e

Mesh gratings | galvanised steel

- + Galvanised
- + 2 point M12/A2 bolt connection
- + 2 point Easylock-fastening (alternatively)



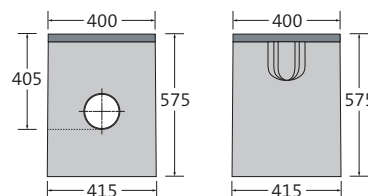
Description	Length	Width	Height	Weight	Inlet opening	Inlet cross section	Load class	Article No.
for OU 30/30	280 mm	280 mm	30 mm	3.6 kg	MW 30/30 mm	502 cm ² /m	A 15 – C 250	080004/e
for OU 30/30	280 mm	280 mm	30 mm	4.0 kg	MW 30/15 mm	482 cm ² /m	A 15 – C 250	080005/e

Article No. with e = with Easylock, SW = slot width, MW = mesh width
Exception up to D 400: Not for use across the carriage- way of highways or motorways.



Outfall unit | 40/40 | 1-piece

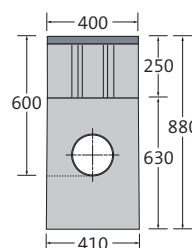
- + Also for drainage channel connection on three sides (NW 100, NW 150)
- + PP odour trap, PP silt bucket
- + Integrated socket for DN 150 pipe connection
- + With hot-dipped galvanised solid steel angle for combi-closure system
- + As special solution also with stainless steel angle (V2A, combi-closure system not in V2A)



Description	Length at top/ at bottom	Width at top/ at bottom	Construction height	Weight	Load class DIN EN 1433	Article No.
to No. 10/0	400/415 mm	400/415 mm	575 mm	121.0 kg	A 15 – E 600	080020

Outfall unit | 40/40 | 2-pieces

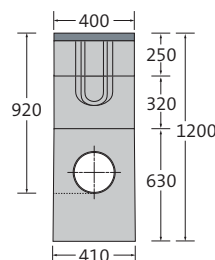
- + Point drainage, not for channel connection
- + PP silt bucket
- + Integrated socket for DN 200 pipe connection
- + With hot-dipped galvanised solid steel angle for combi-closure system
- + As special solution also with stainless steel angle (V2A, combi-closure system not in V2A)



Description	Length at top/ at bottom	Width at top/ at bottom	Construction height	Weight	Load class DIN EN 1433	Article No.
Top	400/ – mm	400/ – mm	250 mm	52.6 kg	A 15 – E 600	080014
Bottom	– /410 mm	– /410 mm	630 mm	127.0 kg	A 15 – E 600	080010

Outfall unit | 40/40 | 3-pieces

- + Also for drainage channel connection on four sides (NW 100, NW 150, NW 200 to No. 20)
- + PP silt bucket
- + Integrated socket for DN 200 pipe connection
- + With hot-dipped galvanised solid steel angle for combi-closure system
- + As special solution also with stainless steel angle (V2A, combi-closure system not in V2A)



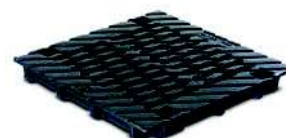
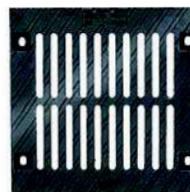
Description	Length at top/ at ground	Width at top/ at bottom	Construction height	Weight	Load class DIN EN 1433	Article No.
Top	400/ – mm	400/ – mm	250 mm	44.6 kg	A 15 – E 600	080012
Middle	– / – mm	– / – mm	320 mm	60.6 kg	A 15 – E 600	080011
Bottom	– /410 mm	– /410 mm	630 mm	127.0 kg	A 15 – E 600	080010

Exception up to D 400: Not for use across the carriage-way of highways or motorways.

BIRCOsir Point Drainage

Cast slotted gratings | twofold

- + Black immersion-lacquered
- + 4 point M12/A2 bolt connection
- + 4 point Easylock-fastening (alternatively)
- + On request also available galvanised



Description	Length	Width	Height	Weight	Inlet opening	Inlet cross section	Load class	Article No.
for OU 40/40	380 mm	380 mm	40 mm	20.5 kg	SW 133/15 mm	389 cm ² /m	A 15 – E 600	080015/e

Mesh gratings | galvanised steel

- + Hot-dipped galvanised
- + 4 point M12/A2 bolt connection
- + 4 point Easylock-fastening (alternatively)
- + On request also available in stainless steel (V2A - without Easylock)



Description	Length	Width	Height	Weight	Inlet opening	Inlet cross section	Load class	Article No.
for OU 40/40	380 mm	380 mm	40 mm	7.0 kg	MW 30/30 mm	977 cm ² /m	A 15 – C 250	080016/e
for OU 40/40	380 mm	380 mm	40 mm	7.0 kg	MW 30/15 mm	792 cm ² /m	A 15 – C 250	080017/e
for OU 40/40	380 mm	380 mm	40 mm	10,2 kg	MW 20/30 mm	931 cm ² /m	A 15 – E 600	080018/e

Article No. with e = with Easylock, SW = slot width, MW = mesh width
Exception up to D 400: Not for use across the carriage- way of highways or motorways.





Reliable BIRCOsir point drainage at Machnigplatz in Memmingen.

