BECAUSE WATER
IS PRECIOUS.

BIRCO
WATER CYCLE SOLUTIONS

Attractive design and optimum handling for drainage in outdoor areas or on building façades: BIRCOlight® combines all of this. The high-quality channel blends seamlessly into the prevailing architecture and is perfect for use in gardening and landscaping or when designing public spaces with demanding design requirements. The large selection of covers ensures flexibility and freedom of design. At the same time, the system offers high load-bearing capacity for areas with heavy traffic.

HIGHEST QUALITY STANDARDS

100% made in our own production facility

BIRCO is dedicated to developing first-class drainage solutions made from high-quality, robust concrete. This material gives our channels and systems exceptional durability - even under the toughest conditions. The concrete impresses with minimal water absorption, excellent abrasion resistance and resistance to frost and de-icing salt, which makes our products unrivalled in terms of lateral stability.

The high quality of our materials, coupled with the sophisticated design of BIRCO channel systems, guarantees optimum operating conditions on any construction site and promises efficient, cost-effective installation. Our solutions not only stand for the highest safety standards and long-term investment protection, but also fulfil the strict requirements of BS EN 1433 standard. With our in-depth understanding of customer needs and project requirements, BIRCO products not only deliver outstanding quality and performance, but also future-oriented, sustainable drainage concepts.

FACTS

+ Channel system: NW 100 and 150 AS, with and without inbuilt fall
+ Construction lengths: 0.50 and 1.00 metre
+ High-quality C 40/50 concrete
+ With anchoring system (AS)
+ Also available as a shallow channel
+ Broad range of covers: Ductile iron covers, long bar grating, ductile iron design covers, mesh covers and pattern rolled covers. Mesh gratings and galvanized steel perforated and bar grating (stainless steel upon request)
+ CE/UKCA-compliant
+ Load class: A 15 – E 600

AREAS OF APPLICATION

+ Landscaping
+ Housing and urban development
+ Private builders
+ Properties with high architectural requirements

A 15 to E 600

1 EDGE/CORROSION PROTECTION

+ 4 mm cast-in solid steel angle coated with 70 microns zinc

2 HIGH-QUALITY MATERIALS

+ High-quality C 40/50 concrete
+ Pressure resistance, frost and de-icing salt resistance guarantee longevity and investment protection

3 TRAFFIC SAFETY

+ High traffic safety: Gratings with 2 bolts per metre
+ Fastening bracket: Easylock or bolts, individually selectable

4 VISIBLE SEALING GAP

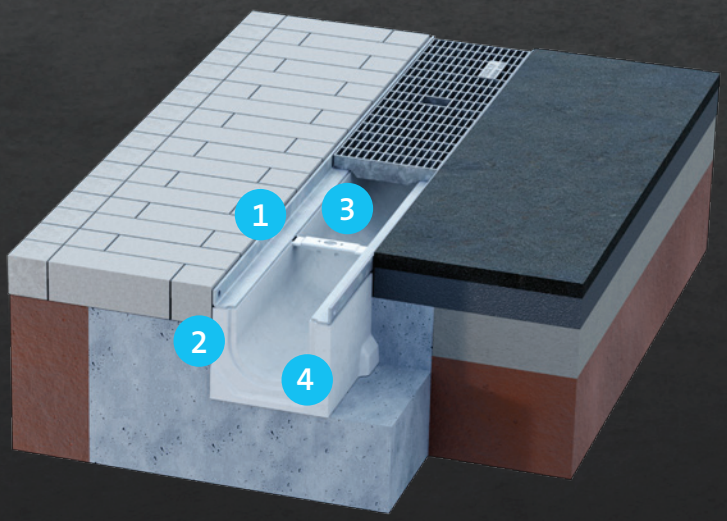
+ Safety sealing gap at the channel joint (can be grouted with BIRCO SF-Connect sealant)

FLEXIBLE USE

+ Optimum, rapid drainage through inbuilt fall
+ With anchoring system

ATTRACTIVE DESIGN

+ Best architectural design options thanks to a wide range of gratings



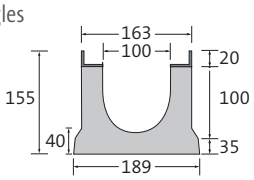
BIRCOlight® with steel angles | NW 100 AS

Modern design – Perfect handling

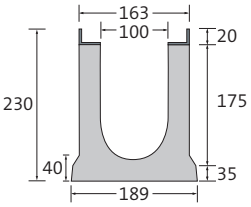
CHANNEL ELEMENTS WITH ANCHORING SYSTEM | WITHOUT INBUILT FALL

AQUA*

+ High-quality C 40/50 concrete
+ Hot-dipped galvanised solid steel angles and fastening clamps
+ Reservation for sealing joint



No. 0/0



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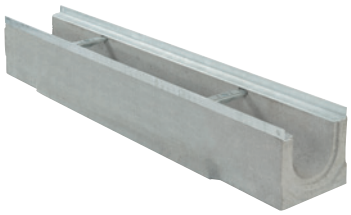


DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
Channel No. 0/0	500 mm	155/155 mm	17.9 kg	A 15 – E 600	32 units	021031 •
Channel No. 0/0	1000 mm	155/155 mm	36.2 kg	A 15 – E 600	24 units	021026 •
Channel No. 0/0 with outlet DN 110	1000 mm	155/155 mm	33.0 kg	A 15 – E 600	24 units	021033 •
Channel No. 5/0	500 mm	180/180 mm	19.9 kg	A 15 – E 600	32 units	021032 •
Channel No. 5/0	1000 mm	180/180 mm	39.7 kg	A 15 – E 600	20 units	021027 •
Channel No. 10/0	1000 mm	205/205 mm	42.7 kg	A 15 – E 600	20 units	021028 •
Channel No. 15/0	1000 mm	230/230 mm	45.7 kg	A 15 – E 600	12 units	021029 •

As special solution also with stainless steel angles (V2A, fastening clamps not in V2A). Price on demand.

CHANNEL ELEMENTS WITH ANCHORING SYSTEM | 0.5 % INBUILT FALL

AQUA*

+ High-quality C 40/50 concrete
+ Hot-dipped galvanised solid steel angles and fastening clamps
+ Reservation for sealing joint

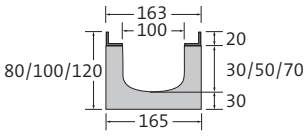
DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
Channel No. 1	1000 mm	155/160 mm	36.0 kg	A 15 – E 600	20 units	021001 •
Channel No. 2	1000 mm	160/165 mm	37.0 kg	A 15 – E 600	20 units	021002 •
Channel No. 3	1000 mm	165/170 mm	38.7 kg	A 15 – E 600	20 units	021003 •
Channel No. 4	1000 mm	170/175 mm	39.3 kg	A 15 – E 600	20 units	021004 •
Channel No. 5	1000 mm	175/180 mm	39.7 kg	A 15 – E 600	20 units	021005 •
Channel No. 6	1000 mm	180/185 mm	40.7 kg	A 15 – E 600	20 units	021006 •
Channel No. 7	1000 mm	185/190 mm	41.2 kg	A 15 – E 600	20 units	021007 •
Channel No. 8	1000 mm	190/195 mm	41.7 kg	A 15 – E 600	20 units	021008 •
Channel No. 9	1000 mm	195/200 mm	42.2 kg	A 15 – E 600	20 units	021009 •
Channel No. 10	1000 mm	200/205 mm	42.7 kg	A 15 – E 600	20 units	021010 •

• On stock, * BIRCO Product group | Exception up to D 400: Not for use across the carriageway of highways or motorways.
Please note the separate installation for classes D 400 and E 600. | Dimensions and weights may vary slightly.

SHALLOW CHANNELS | WITHOUT INBUILT FALL

AQUA*

+ High-quality C 40/50 concrete
+ Hot-dipped galvanised solid steel angles and fastening clamps
+ Reservation for sealing joint

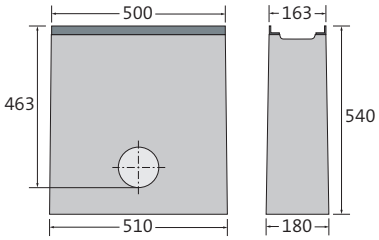


DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
Height 80	1000 mm	80/80 mm	20.2 kg	A 15 – E 600	40 units	031026 •
Height 100	1000 mm	100/100 mm	24.2 kg	A 15 – E 600	40 units	031027 •
Height 120	1000 mm	120/120 mm	25.7 kg	A 15 – E 600	30 units	031028 •

OUTFALL UNITS | 1-PIECE

AQUA*

+ High-quality C 40/50 concrete
+ Hot-dipped galvanised solid steel angles and fastening clamps
+ Reservation for sealing joint
+ 1 or 2-sided channel connection up to No. 15/0
+ Internal PP odour trap DN 110
  for KG and KG-2000 pipe connection
+ PP silt bucket
+ Integrated socket for pipe connection DN 110
+ Hot-dipped galvanised solid steel angles and fastening clamps



Drain in the centre

DESIGNATION	LENGTH AT ANGLE/ AT GROUND	HEIGHT	WEIGHT	LOAD CLASS	PALLET	ART. NO.
Outfall units	500/510 mm	540 mm	61.4 kg	A 15 – E 600	12 units	021035 •

As special solution also with stainless steel angles (V2A, fastening clamps not in V2A). Price on demand.

DOUBLE-SLOTTED GRATING | DI

AQUA*

+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)
+ Anti-slip classification R11/V10

LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	3.4 kg	2x SW 45/16 mm	444 cm²/m	A 15 – C 250	100 units	0210721 •	0210721e •
500 mm	153 mm	20 mm	3.8 kg	2x SW 45/16 mm	444 cm²/m	A 15 – E 600	100 units	0210751 •	0210751e •

Also available cathodic or RAL powder coating colour on request.

HEELSURE SLOTTED GRATING | DI

AQUA*

+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)

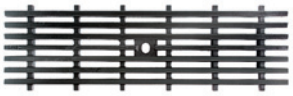
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	3.9 kg	SW 100/6 mm	260 cm²/m	A 15 – C 250	100 units	021073 •	021073e •
500 mm	153 mm	20 mm	4.8 kg	SW 100/6 mm	260 cm²/m	A 15 – E 600	100 units	021071 •	021071e •

Also available cathodic or RAL powder coating colour on request.

LONGITUDINAL BAR GRATING | DI

AQUA*

+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)



Load class C 250

Load class E 600

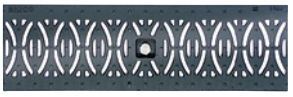
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	4.6 kg	MW 73/10 mm	716 cm²/m	A 15 – C 250	100 units	021095 •	021095e •
500 mm	153 mm	20 mm	5.6 kg	MW 32/10 mm	614 cm²/m	A 15 – E 600	100 units	021096 •	021096e •

Also available cathodic or RAL powder coating colour on request.

"ELLIPSE" DESIGN GRATING | DI

AQUA*

+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)



LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	6.0 kg	–	417 cm²/m	A 15 – E 600	100 units	021077	021077e

Also available cathodic or RAL powder coating colour on request.

• On stock, * BIRCO Product group, MW = mesh width, SW = slot width | Exception up to D 400: Not for use across the carriageway of highways or motorways.
Please note the separate installation for classes D 400 and E 600. | Dimensions and weights may vary slightly.

MESH GRATING | DI

AQUA*

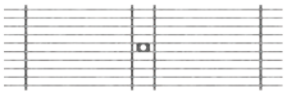
+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)

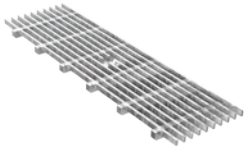
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	3.7 kg	MW 20/30 mm	815 cm²/m	A 15 – C 250	100 units	021085 •	021085e •

Also available with galvanized, cathodic or RAL powder coating colour on request.

LONGITUDINAL BAR GRATING | COMB | HOT-DIPPED GALVANISED STEEL

AQUA*

+ 2 M8/A2 bolts per meter

Load class A 15



Load class C 250

LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
500 mm	153 mm	20 mm	2.1 kg	MW 185/12 mm	1170 cm²/m	A 15	25 units	0210871 •
1000 mm	153 mm	20 mm	3.9 kg	MW 225/12 mm	1190 cm²/m	A 15	100 units	0210861 •
500 mm	153 mm	20 mm	3.0 kg	MW 72/11 mm	984 cm²/m	A 15 – C 250	25 units	0210981 •
1000 mm	153 mm	20 mm	6.0 kg	MW 72/11 mm	987 cm²/m	A 15 – C 250	100 units	0210971 •

BAR GRATING | SHEET-GALVANISED STEEL

AQUA*

+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively, only for galvanised gratings)

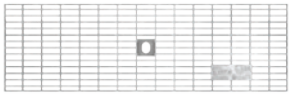
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	1.3 kg	SW 80/12 mm	334 cm²/m	A 15	100 units	021066 •	021066e •
1000 mm	153 mm	20 mm	2.7 kg	SW 80/12 mm	334 cm²/m	A 15	50 units	021056 •	021056e •
500 mm	153 mm	20 mm	2.6 kg	SW 80/12 mm	334 cm²/m	A 15 – C 250	100 units	021068 •	021068e •
1000 mm	153 mm	20 mm	5.4 kg	SW 80/12 mm	334 cm²/m	A 15 – C 250	50 units	021058 •	021058e •

• On stock, * BIRCO Product group, MW = mesh width, SW = slot width | Exception up to D 400: Not for use across the carriageway of highways or motorways.
Please note the separate installation for classes D 400 and E 600. | Dimensions and weights may vary slightly.

MESH GRATING WITH FLAT EDGE | HOT-DIPPED GALVANISED STEEL

AQUA*

+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)
+ Anti-slip classification R10/V10



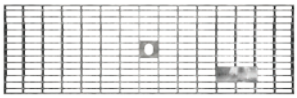
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	1.9 kg	MW 30/10 mm	1074 cm²/m	A 15 – B 125	150 units	0210941fr •	0210941fre •
1000 mm	153 mm	20 mm	3.8 kg	MW 30/10 mm	1093 cm²/m	A 15 – B 125	150 units	0210931fr •	0210931fre •
500 mm	153 mm	20 mm	2.4 kg	MW 30/10 mm	1055 cm²/m	A 15 – C 250	150 units	0210631fr •	0210631fre •
1000 mm	153 mm	20 mm	4.9 kg	MW 30/10 mm	1074 cm²/m	A 15 – C 250	150 units	0210531fr •	0210531fre •

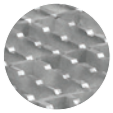
Also available in stainless steel (V2A) on request.

MESH GRATING WITH FLAT EDGE ANTI-SLIP CLASSIFICATION R11/V10 | HOT-DIPPED GALVANISED STEEL

AQUA*

+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)
+ Anti-slip classification R11/V10





LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	153 mm	20 mm	2.1 kg	MW 30/10 mm	1051 cm²/m	A 15 – B 125	50 units	021094fr11 •	021094fr11e •
1000 mm	153 mm	20 mm	3.9 kg	MW 30/10 mm	1051 cm²/m	A 15 – B 125	150 units	021093fr11 •	021093fr11e •
500 mm	153 mm	20 mm	2.4 kg	MW 30/10 mm	1051 cm²/m	A 15 – C 250	50 units	021063fr11 •	021063fr11e •
1000 mm	153 mm	20 mm	4.7 kg	MW 30/10 mm	1051 cm²/m	A 15 – C 250	50 units	021053fr11 •	021053fr11e •

• On stock, * BIRCO Product group | MW = mesh width
Dimensions and weights may vary slightly.

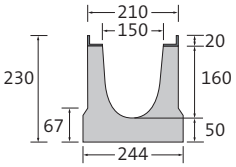
BIRCOlight® with steel angles | NW 150 AS

Modern design – Perfect handling

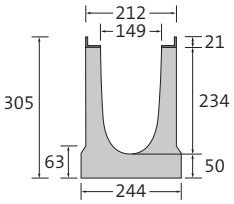
CHANNEL ELEMENTS WITH ANCHORING SYSTEM | WITHOUT INBUILT FALL

AQUA*

+ High-quality C 40/50 concrete
+ Hot-dipped galvanised solid steel angles and fastening clamps
+ Reservation for sealing joint



Nr. 0/0



Nr. 15/0

DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
Channel No. 0/0	500 mm	230/230 mm	31.2 kg	A 15 – E 600	24 units	021131 •
Channel No. 0/0	1000 mm	230/230 mm	62.2 kg	A 15 – E 600	12 units	021126 •
Channel No. 0/0 with outlet DN 160	1000 mm	230/230 mm	62.0 kg	A 15 – E 600	12 units	021132 •
Channel No. 5/0	1000 mm	255/255 mm	66.2 kg	A 15 – E 600	12 units	021127 •
Channel No. 10/0	1000 mm	280/280 mm	70.2 kg	A 15 – E 600	12 units	021128 •
Channel No. 15/0	1000 mm	305/305 mm	73.3 kg	A 15 – E 600	12 units	021129 •

As special solution channel No. 0/0 lenght 1000 mm also with stainless steel angles (V2A, fastening clamps not in V2A). Price on demand.

CHANNEL ELEMENTS WITH ANCHORING SYSTEM | 0.5 % INBUILT FALL

AQUA*

+ High-quality C 40/50 concrete
+ Hot-dipped galvanised solid steel angles and fastening clamps
+ Reservation for sealing joint

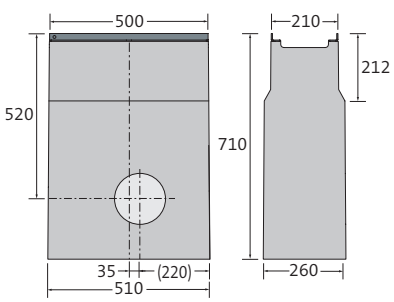
DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
Channel No. 1	1000 mm	230/235 mm	63.2 kg	A 15 – E 600	12 units	021101 •
Channel No. 2	1000 mm	235/240 mm	64.1 kg	A 15 – E 600	12 units	021102 •
Channel No. 3	1000 mm	240/245 mm	64.7 kg	A 15 – E 600	12 units	021103 •
Channel No. 4	1000 mm	245/250 mm	65.2 kg	A 15 – E 600	12 units	021104 •
Channel No. 5	1000 mm	250/255 mm	65.7 kg	A 15 – E 600	12 units	021105 •
Channel No. 6	1000 mm	255/260 mm	66.7 kg	A 15 – E 600	12 units	021106 •
Channel No. 7	1000 mm	260/265 mm	67.2 kg	A 15 – E 600	12 units	021107 •
Channel No. 8	1000 mm	265/270 mm	68.2 kg	A 15 – E 600	12 units	021108 •
Channel No. 9	1000 mm	270/275 mm	68.7 kg	A 15 – E 600	12 units	021109 •
Channel No. 10	1000 mm	275/280 mm	69.7 kg	A 15 – E 600	12 units	021110 •

• On stock, * BIRCO Product group | Exception up to D 400: Not for use across the carriageway of highways or motorways.
Please note the separate installation for classes D 400 and E 600. | Dimensions and weights may vary slightly.

OUTFALL UNITS WITH ANCHORING SYSTEM | 1-PIECE

AQUA*

+ High-quality C 40/50 concrete
+ 1 or 2-sided channel connection up to 15/0
+ PP silt bucket
+ Integrated socket for pipe connection DN 160, Without odour trap
+ Hot-dipped galvanised solid steel angles and fastening clamps



DESIGNATION	LENGTH AT ANGLE/ AT GROUND	HEIGHT	WEIGHT	LOAD CLASS	PALLET	ART. NO.
Outfall units	500/510 mm	710 mm	110.6 kg	A 15 – E 600	8 units	021135 •

As special solution also with stainless steel angles (V2A, fastening clamps not in V2A). Price on demand.

DOUBLE-SLOTTED GRATING

AQUA*

+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)
+ Anti-slip classification R11/V10

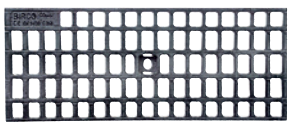
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	200 mm	20 mm	4.6 kg	2x SW 70/16 mm	706 cm²/m	A 15 – C 250	100 units	0211721 •	0211721e •
500 mm	200 mm	20 mm	6.3 kg	2x SW 70/16 mm	706 cm²/m	A 15 – E 600	100 units	0211751 •	0211751e •

Also available with galvanized, cathodic or RAL powder coating colour on request.

MESH GRATING | DI

AQUA*

+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)



LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	200 mm	20 mm	5.7 kg	MW 20/30 mm	920 cm²/m	A 15 – C 250	100 units	021185 •	021185e •
500 mm	200 mm	20 mm	6.5 kg	MW 20/30 mm	920 cm²/m	A 15 – E 600	100 units	021186 •	021186e •

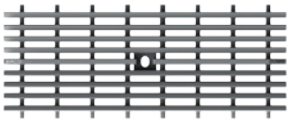
Also available with galvanized, cathodic or RAL powder coating colour on request.

• On stock, * BIRCO Product group, SW = slot width, MW = mesh width | Exception up to D 400: Not for use across the carriageway of highways or motorways. Please note the separate installation for classes D 400 and E 600. | Dimensions and weights may vary slightly.

LONGITUDINAL BAR GRATING | DI

AQUA*

+ Black dip-painted
+ 2 M12/A2 bolts per meter
+ 2 Easylock fastenings per meter (alternatively)



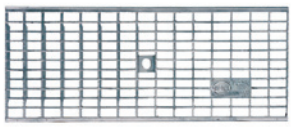
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	200 mm	20 mm	5.8 kg	MW 53/10 mm	900 cm²/m	A 15 – C 250	100 units	021184 •	021184e •

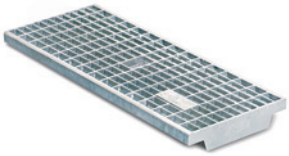
Also available cathodic or RAL powder coating colour on request.

MESH GRATING | HOT-DIPPED GALVANISED STEEL

AQUA*

+ 2 M12/A2 bolts per meter
+ 2 Easylock fasteners per meter (alternatively)





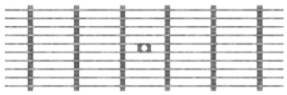
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING	ART. NO. EASYLOCK
500 mm	200 mm	20 mm	3.0 kg	MW 30/10 mm	1428 cm²/m	A 15 – B 125	50 units	021194fr •	021194fre •
1000 mm	200 mm	20 mm	6.1 kg	MW 30/10 mm	1448 cm²/m	A 15 – B 125	50 units	021193fr •	021193fre •
500 mm	200 mm	20 mm	3.9 kg	MW 30/15 mm	1379 cm²/m	A 15 – C 250	50 units	021163fr •	021163fre •
1000 mm	200 mm	20 mm	7.8 kg	MW 30/15 mm	1400 cm²/m	A 15 – C 250	50 units	021153fr •	021153fre •

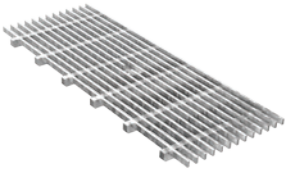
Also available in stainless steel (V2A, without Easylock) on request.

LONGITUDINAL BAR GRATING | COMB | HOT-DIPPED GALVANISED STEEL

AQUA*

+ 2 M12/A2 bolts per meter





LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
500 mm	200 mm	20 mm	4.9 kg	MW 72/11 mm	1285 cm²/m	A 15 – C 250	25 units	0211981 •
1000 mm	200 mm	20 mm	9.6 kg	MW 72/11 mm	1288 cm²/m	A 15 – C 250	100 units	0211971 •

Anchoring system | Firmly embedded in the ground

+ The anchoring system of the BIRCO AS product family bonds the drainage channel to the adjacent ground. This virtually eliminates the possibility of rocking or loosening from the ground – provided it is properly installed.

• On stock, * BIRCO Product group, MW = mesh width | Exception up to D 400: Not for use across the carriageway of highways or motorways.
Please note the separate installation for classes D 400 and E 600. | Dimensions and weights may vary slightly.

BIRCOlight® with steel angles Accessories

Modern design – Perfect handling

END CAPS FOR NW 100 AS | GALVANISED STEEL

AQUA*

+ With attached drain socket

DESIGNATION	FOR HEIGHT	WEIGHT	ART. NO.
End cap, No. 0/0 – 4	155 – 175 mm	0.3 kg	021080 •
End cap, No. 5 – 8	175 – 195 mm	0.3 kg	021081 •
End cap, No. 9 – 10	195 – 215 mm	0.4 kg	021082 •
End cap, No. 15/0	230 mm	0.5 kg	021083 •
End cap for shallow channel, height 80	80 mm	0.1 kg	031040 •
End cap for shallow channel, height 100	100 mm	0.2 kg	031041 •
End cap for shallow channel, height 120	120 mm	0.2 kg	031042 •
End cap with outlet DN 110, No. 0/0	155 mm	0.6 kg	021045 •
End cap with outlet DN 110, No. 10/0	205 mm	0.7 kg	021047 •
End cap with outlet DN 110, No. 15/0	230 mm	0.8 kg	021048 •

End caps channel No. 0/0 also available in stainless steel (V2A). Prices on request.

END CAPS FOR NW 150 AS | GALVANISED STEEL

AQUA*

+ With attached drain socket

DESIGNATION	FOR HEIGHT	WEIGHT	ART. NO.
End cap, No. 0/0 – 4	230 – 250 mm	0.6 kg	021140 •
End cap, No. 5/0 – 8	250 – 270 mm	0.7 kg	021141 •
End cap, No. 9 – 10	270 – 280 mm	0.8 kg	021142 •
End cap, No. 15/0	305 mm	0.8 kg	021143 •
End cap with outlet DN 160, No. 0/0	230 mm	0.9 kg	021145 •
End cap with outlet DN 160, No. 5/0	255 mm	1.0 kg	021146 •
End cap with outlet DN 160, No. 10/0	280 mm	1.1 kg	021147 •
End cap with outlet DN 160, No. 15/0	305 mm	1.1 kg	021149 •

End caps channel No. 0/0 also available in stainless steel (V2A). Prices on request.

SILT BUCKET FOR DRAINAGE CHANNELS WITH VERTICAL DRILLING | GALVANISED STEEL

TEC*

DESIGNATION	WEIGHT	ART. NO.
For channel NW 100 AS with vertical drilling DN 110	0.4 kg	603011 •
For channel NW 150 AS with vertical drilling DN 160	0.8 kg	603046 •
For shallow channel NW 100 AS with vertical drilling DN 110	0.2 kg	603014 •

Drilled hole on request

• On stock, * BIRCO Product group
Dimensions and weights may vary slightly.

ODOUR TRAP FOR OUTFALL UNITS | PP

TEC*

\+ Odour trap for outlet with DN 160 socket, for 1-piece outfall unit

DESIGNATION	WEIGHT	ART. NO.
Odour trap DN 160 suitable for KG pipe connection, 1-piece	0.2 kg	605002 •

• On stock, * BIRCO Product group

Dimensions and weights may vary slightly.

BIRCOlight® with steel angles Drainage performance

The channel systems from BIRCO provide excellent drainage performance
In addition to this table, BIRCO offers a project-specific hydraulic calculation service.

BIRCOlight® WITH STEEL ANGLES NW 100 AS

	DRAINAGE PERFORMANCE AT THE CHANNEL END	CROSS-SECTIONAL AREA AT THE CHANNEL END
No. 0/0	4.96 l/sec	89.0 cm²
No. 1	5.55 l/sec	94.0 cm²
No. 2	5.85 l/sec	99.0 cm²
No. 3	6.14 l/sec	104.0 cm²
No. 4	6.44 l/sec	109.0 cm²
No. 5	6.73 l/sec	114.0 cm²
No. 5/0	6.35 l/sec	114.0 cm²
No. 6	7.03 l/sec	119.0 cm²
No. 7	7.32 l/sec	124.0 cm²
No. 8	7.62 l/sec	129.0 cm²
No. 9	7.91 l/sec	134.0 cm²
No. 10	8.21 l/sec	139.0 cm²
No. 10/0	7.74 l/sec	139.0 cm²
No. 15/0	9.13 l/sec	164.0 cm²

BIRCOlight® WITH STEEL ANGLES NW 150 AS

	DRAINAGE PERFORMANCE AT THE CHANNEL END	CROSS-SECTIONAL AREA AT THE CHANNEL END
No. 0/0	10.20 l/sec	183.6 cm²
No. 1	11.25 l/sec	191.0 cm²
No. 2	11.70 l/sec	198.5 cm²
No. 3	12.13 l/sec	205.9 cm²
No. 4	12.57 l/sec	213.4 cm²
No. 5	13.01 l/sec	220.8 cm²
No. 5/0	12.27 l/sec	220.8 cm²
No. 6	13.45 l/sec	228.3 cm²
No. 7	13.89 l/sec	235.7 cm²
No. 8	14.33 l/sec	243.2 cm²
No. 9	14.77 l/sec	250.7 cm²
No. 10	15.21 l/sec	258.1 cm²
No. 10/0	14.34 l/sec	258.1 cm²
No. 15/0	16.99 l/sec	299.3 cm²

BIRCOlight® WITH STEEL ANGLES NW 100 AS SHALLOW CHANNEL

HEIGHT	DRAINAGE PERFORMANCE AT THE CHANNEL END	CROSS-SECTIONAL AREA AT THE CHANNEL END
80 mm	1.19 l/sec	21.5 cm²
100 mm	2.30 l/sec	41.4 cm²
120 mm	3.41 l/sec	61.4 cm²

The tables can only give guidelines for the dimensioning. On-site conditions such as positions of manholes already installed, number of channels lines etc. cannot and have not been taken into account. We therefore recommend making use of our hydraulic calculation service for a draft proposal.