

BECAUSE WATER
IS PRECIOUS.



BIRCOsir® Large dimensions

Stability and performance also for Type I installation



Safety first, especially for the highest expectations where alternatives are very limited. A reputed German drainage channel system for civil engineering applications impresses with its size and features. With its extensive nominal widths, the system with the special BIRCOhyperbola construction form offers both retention and stability. This enables long-term investment planning with components that can withstand intensive traffic and offer a retention volume that meets the challenges of climate change. The channel is designed to provide the perfect balance between size, stability, durability and installation handling. For site operators, planners and contractors, planning safely means building on BIRCOsir® – large nominal widths.

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.

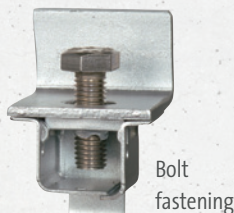
The high quality of our materials, coupled with the sophisticated design of BIRCO channel systems, guarantees optimum operating conditions on any construction site and promises efficient, cost-effective installation. Our solutions not only stand for the highest safety standards and long-term investment 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.





HIGH-QUALITY CONCRETE DRAINAGE CHANNELS – COST-SAVING RELIABILITY

BIRCO concrete channels offer maximum performance even without a full concrete surrounding, whether in terms of geometry, water admission capacity, load classes resistance or during installation. The vibro-compression technique ensures immediate demoulding for most of our ranges. Our concretes are of quality C40/50 or C60/75, particularly resistant to pressure.



Bolt
fastening



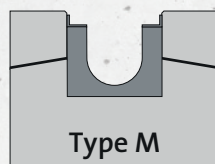
1/4 turn Easylock
fastening

OPTIMAL BOLTING

Our concrete drainage channels are fitted with solid steel or DI angles with combined locking. Numerous gratings can be either screwed to the channel element up to 8 times per metre or quickly locked with the BIRCO Easylock alternative.



Type I



Type M

TYPE I AND TYPE M INSTALLATION

Type I: this type of drainage channel does not require a load-bearing foundation or encasement to support vertical and horizontal forces. The design and materials used are specially designed to withstand the loads exerted on the channel. Installation is therefore quick, simple and possible even in narrow trenches, which considerably reduces costs. Many BIRCO drainage systems have been specially designed for Type I installation.

Type M requires the use of a load-bearing foundation and/or encasement. Vertical and horizontal loads that occur after installation are transmitted to the foundation or encasement. The strength and load-bearing capacity, i.e. the load class, depend directly on the nature and construction of the foundation or surrounding.



SOLID ANGLES AND PROFILES

BIRCO uses solid 4 mm hot-dip galvanised steel profiles. Stainless steel angles are also available on request. Some of our ranges have solid cast iron angles 5 mm thick with cathodic protection. The angles are fitted with shift protection of the DI gratings and self-cleaning fastening pockets.



ANCHORING SYSTEM

Firmly anchored in the ground, most BIRCO drainage channels feature a continuous anchoring system that binds the drainage element to the bedding over its entire length.



INTERLOCKING AND JOINTING

Easy interlocking of the elements thanks to the tongue-and-groove system. Installation from above, with a visible joint at all times for quick and easy inspection. A half-moon gap ensures a watertight joint possibility between the channel elements and for the entire drainage line. EN1433 compliance guaranteed!

FACTS

- + Immediate retention volume with NW 320, 420 and 520
- + Lengths: 0.50 and 1.00 metre
- + High-quality C 40/50 concrete, 4 mm solid steel angles
- + Continuous anchoring system
- + BIRCOhyperbola construction form for long-lasting stability
- + Unique tongue and groove shape for sealing and dilatation joints
- + Oil resistant certified (German DIBt certificate No. Z-74.4-181)
- + CE/UKCA-compliant
- + Load classes: A 15 – F 900, EN 1433
- + Type I installation up to load class D 400 possible

AREAS OF APPLICATION

- + Urban development, industrial construction, airports, ports
 - + High traffic volume
 - + Car parks that are also used by lorries (e.g. supermarkets, shipping companies)
- + For the drainage of heavy-duty surfaces, also with high demands on flexibility and architecture



A 15 to F 900



Immediate high retention volume

Deutsches Institut für Bautechnik

DIBt

DIBt certificate Z-74.4-181

1 SHIFT PROTECTION OF THE GRATINGS

- + Stability against horizontal pushing forces. The cast ribs of the gratings snap into the steel angles at 8 points per metre

2 EDGE/CORROSION PROTECTION

- + 4 mm cast-in solid steel angle coated with 70 microns zinc, also available in stainless steel (V2A)
- + Almost level connection of the surface layer to the solid steel angles

3 HIGH-QUALITY MATERIALS

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

4 BIRCOhyperbola CONSTRUCTION FORM

- + BIRCOhyperbola form for maximum stability and force distribution

5 TONGUE AND GROOVE FORM

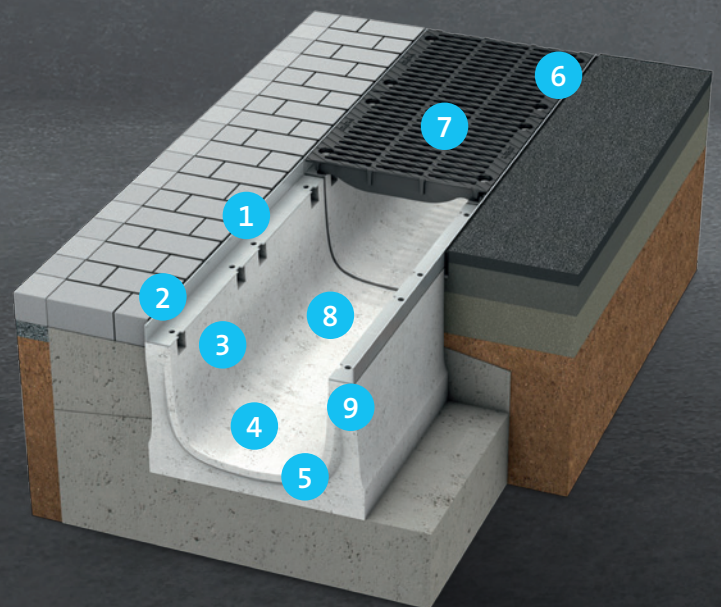
- + Perfectly matched and detailed fit to tongue and groove. Optimised for sealing, dilatation joints and installation from above. The shape of the end pieces prevents lateral misalignment

6 TRAFFIC SAFETY

- + 8 M12/A2 bolts per meter

7 TIMELESS DESIGN

- + Attractive DI gratings and self-cleaning fastener pockets
- + Anti-slip surface

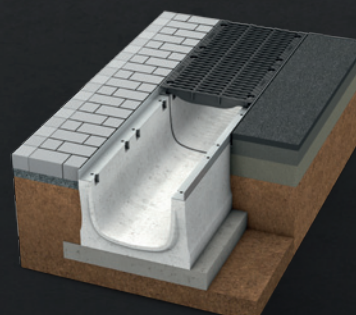


8 HIGH RETENTION CAPACITY

- + Very high emergency retention space for fewer traffic obstructions and structural damage due to standing water

9 BIRCO SEALING JOINT

- + The transitions at the channel joint fit precisely and enable professional grouting



INSTALLATION

- + Cost-effective type I installation up to class D 400
- + Installation from above in narrow pits thanks to the tongue and groove contour

BIRCOsir® | NW 320



Type I and type M with retention capacity

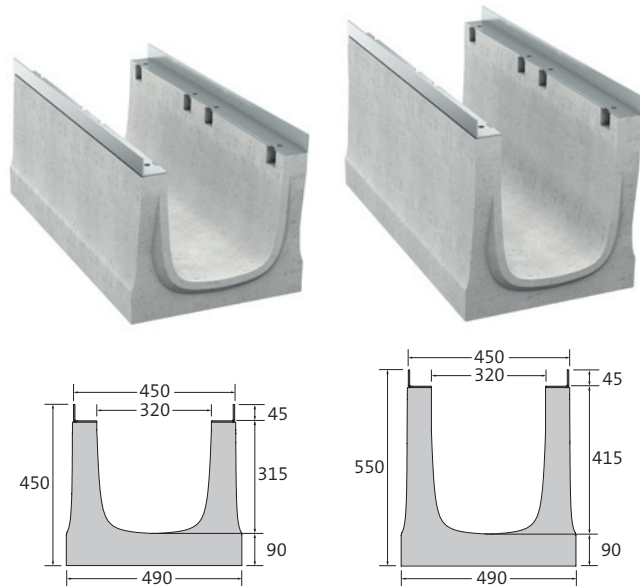


Z-74.4-181

CHANNEL ELEMENTS | WITHOUT INBUILT FALL

TEC*

- + High-quality C 40/50 concrete
- + Cast-in hot-dipped galvanised solid steel angles
- + BIRCOhyperbola construction form
- + Oil resistant certified (German certificate No. Z-74.4-181)
- + Visible sealing gap
- + With continuous anchoring system
- + With shift protection of the grating
- + Type I installation up to D 400

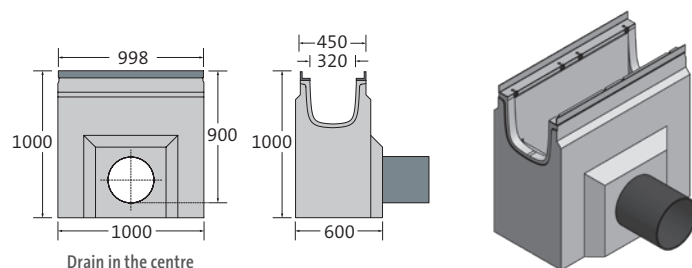


DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ARTICLE NO.
Channel height 450 mm	500 mm	450/450 mm	115.0 kg	A 15 – F 900	8 units	30020331 •
Channel height 450 mm	1000 mm	450/450 mm	230.0 kg	A 15 – F 900	4 units	30020326 •
Channel height 550 mm	500 mm	550/550 mm	131.0 kg	A 15 – F 900	8 units	30020338 •
Channel height 550 mm	1000 mm	550/550 mm	262.0 kg	A 15 – F 900	4 units	30020328 •

OUTFALL UNIT WITH HDPE SOCKET FOR USE IN LAU FACILITIES | 1-PIECE

TEC*

- + High-quality C 40/50 concrete
- + 1 or 2-sided channel connection
- + HDPE socket DA 315 x 18.7 - SDR 17
- + Hot-dipped galvanised solid steel angles
- + Visible sealing gap
- + With shift protection of the grating
- + Oil resistant certified (German certificate No. Z-74.4-181)
- + Type I installation up to D 400



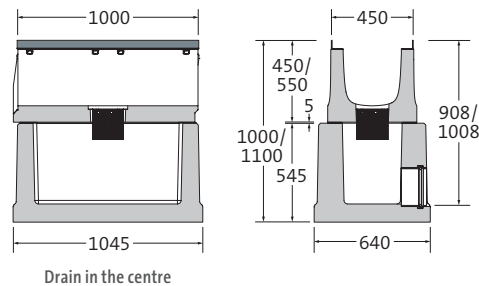
DESIGNATION	LENGTH AT TOP/ AT GROUND	HEIGHT	WEIGHT	LOAD CLASS	PALLET	ARTICLE NO.
Outfall unit for height 450 mm	998/1000 mm	1000 mm	636.0 kg	A 15 – F 900	1 unit	300200335 •
Outfall unit for height 550 mm	998/1000 mm	1000 mm	602.0 kg	A 15 – F 900	1 unit	300200337 •

• On stock, * BIRCO product group | Exception up to D 400: Not for use across the carriageway of highways or motorways.
Dimensions and weights may vary slightly.

OUTFALL UNIT | 2-PIECE

TEC*

- + High-quality C 40/50 concrete
- + 2-piece: Consisting of upper part (channel) with vertical bore DN 200 and lower part with outlet DN 200 with PP pipe socket, drain in the centre
- + With integrated sleeves (in the lower part)
- + 2-sided channel connection
- + Incl. CDP-coated silt bucket
- + Hot-dipped galvanised solid steel angles
- + Visible sealing gap
- + With shift protection of the grating

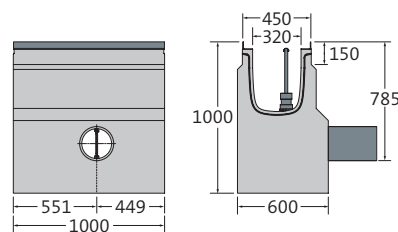


DESIGNATION	LENGTH AT TOP/ AT GROUND	HEIGHT	WEIGHT	LOAD CLASS	PALLET	ARTICLE NO.
Outfall unit set for height 450 mm	1000/1045 mm	1000 mm	735.0 kg	A 15 – F 900	1 unit	30020367 •
Outfall unit set for height 550 mm	1000/1045 mm	1100 mm	767.0 kg	A 15 – F 900	1 unit	30020368 •

SHUT-OFF OUTFALL UNIT | 1-PIECE

TEC*

- + High-quality C 40/50 concrete
- + 1 or 2-sided channel connection height 550
- + Incl. class F 900 double-slotted DI grating and class F 900 double-slotted DI grating with key bushing
- + With manual shut-off valve DN 200
- + Outfall unit with electric shut-off valve on demand
- + HDPE socket DA 225 x 13.4 – SDR 17
- + Cast-in hot-dipped galvanised solid steel angles
- + Visible sealing gap
- + Oil resistant certified
(German certificate No. Z-74.4-181)
- + Type I installation up to D 400

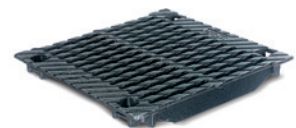
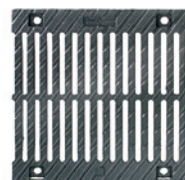


DESIGNATION	LENGTH	HEIGHT	WEIGHT	LOAD CLASS	PALLET	ARTICLE NO.
Shut-off outfall unit	1000 mm	1000 mm	809.8 kg	A 15 – F 900	1 unit	300200339

DOUBLE-SLOTTED GRATING | DI

TEC*

- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + With anti-displacement protection
- + Anti-slip classification R11/V10



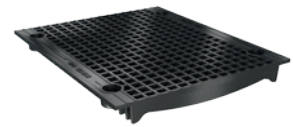
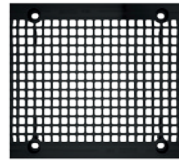
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	437 mm	45 mm	19.7 kg	2x SW 162/18 mm	1531 cm ² /m	A 15 – D 400	40 units	30020374 •
500 mm	437 mm	45 mm	23.9 kg	2x SW 162/18 mm	1531 cm ² /m	A 15 – E 600	40 units	30020375 •
500 mm	437 mm	45 mm	30.0 kg	2x SW 162/18 mm	1531 cm ² /m	A 15 – F 900	40 units	30020378 •

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

MESH GRATING | DI

TEC*

- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + With anti-displacement protection



LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	437 mm	45 mm	22.4 kg	MW 18/18 mm	1620 cm ² /m	A 15 – E 600	40 units	30020386 •

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

HONEYCOMB GRATING | DI

TEC*

- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + With anti-displacement protection



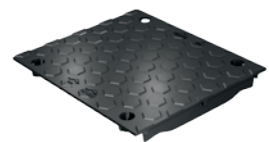
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	437 mm	45 mm	30.1 kg	MW 19/57 mm	1745 cm ² /m	A 15 – E 600	40 units	30020379 •

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

SOLID HEXAGON® COVER | DI

TEC*

- + Solid
- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + Anti-slip classification R10/V10



LENGTH	WIDTH	HEIGHT	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	437 mm	45 mm	30.4 kg	A 15 – E 600	40 units	30020376 •

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

BIRCOsir® | NW 420



Type I and type M with retention capacity

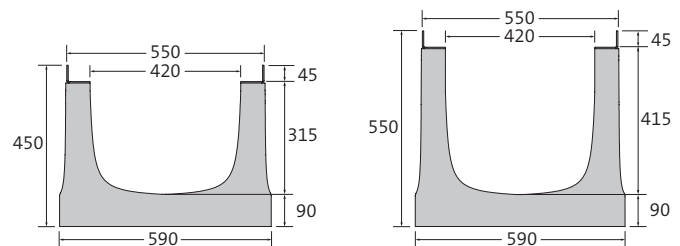
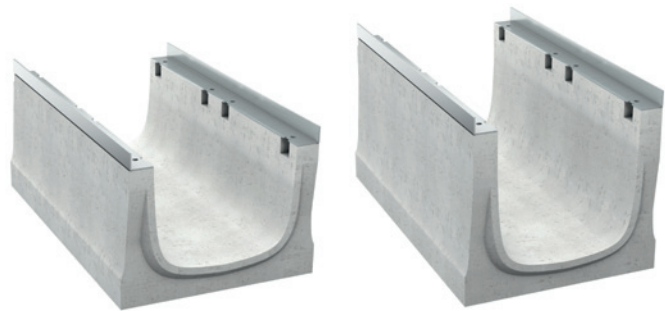


Z-74.4-181

CHANNEL ELEMENTS | WITHOUT INBUILT FALL

TEC*

- + High-quality C 40/50 concrete
- + Cast-in hot-dipped galvanised solid steel angles
- + BIRCOhyperbola construction form
- + Oil resistant certified
(German certificate No. Z-74.4-181)
- + Visible sealing gap
- + With continuous anchoring system
- + With shift protection of the grating
- + Type I installation up to D 400

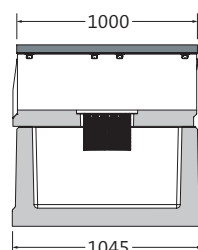


DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ARTICLE NO.
Channel height 450 mm	500 mm	450/450 mm	129.0 kg	A 15 – F 900	8 units	30020431 •
Channel height 450 mm	1000 mm	450/450 mm	258.0 kg	A 15 – F 900	4 units	30020426 •
Channel height 550 mm	500 mm	550/550 mm	145.0 kg	A 15 – F 900	8 units	30020438 •
Channel height 550 mm	1000 mm	550/550 mm	290.0 kg	A 15 – F 900	4 units	30020428 •

OUTFALL UNIT | 2-PIECE

TEC*

- + High-quality C 40/50 concrete
- + 2-piece: consisting of upper part (channel) with vertical bore DN 315 and lower part with outlet DN 315 with PP pipe socket, drain in the centre
- + With integrated sleeves (in the lower part)
- + 2-sided channel connection
- + Incl. CDP-coated silt bucket
- + Hot-dipped galvanised solid steel angles
- + Visible sealing gap
- + With shift protection of the grating
- + Type I installation up to D 400



Drain in the centre

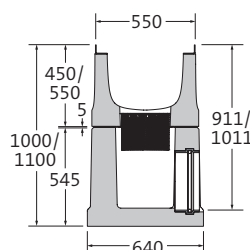


Illustration similar

DESIGNATION	LENGTH AT TOP/ AT GROUND	HEIGHT	WEIGHT	LOAD CLASS	PALLET	ARTICLE NO.
Outfall unit set for height 450 mm	1000/1045 mm	1000 mm	753.0 kg	A 15 – F 900	1 unit	30020467
Outfall unit set for height 550 mm	1000/1045 mm	1100 mm	784.0 kg	A 15 – F 900	1 unit	30020468

TRIPLE-SLOTTED GRATING | DI

TEC*

- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + With anti-displacement protection



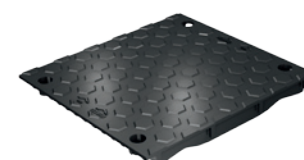
LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	537 mm	45 mm	26.0 kg	3x SW 139/18 mm	1967 cm ² /m	A 15 – D 400	24 units	30020474 •
500 mm	537 mm	45 mm	38.2 kg	3x SW 139/18 mm	1967 cm ² /m	A 15 – E 600	24 units	30020475 •
500 mm	537 mm	45 mm	45.3 kg	3x SW 139/18 mm	1967 cm ² /m	A 15 – F 900	24 units	30020478 •

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

SOLID HEXAGON® COVER | DI

TEC*

- + Solid
- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + Anti-slip classification R10/V10



LENGTH	WIDTH	HEIGHT	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	537 mm	45 mm	40.8 kg	A 15 – E 600	24 units	30020476 •

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

BIRCOsir® | NW 520



Type I and type M with retention capacity

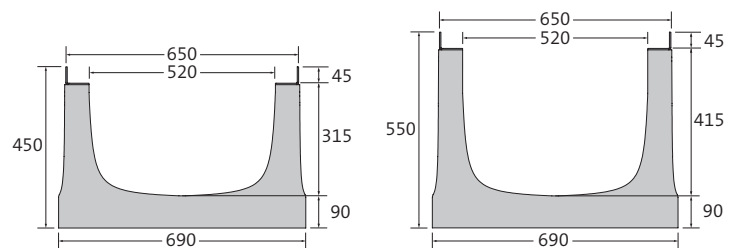
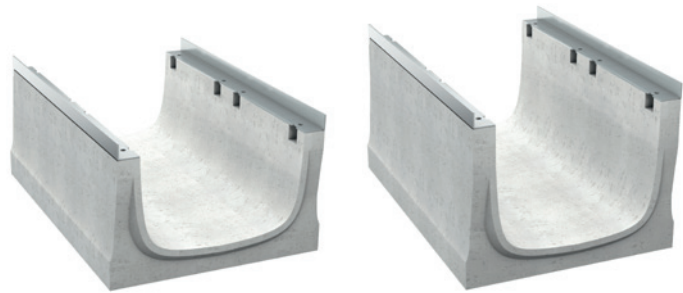


Z-74.4-181

CHANNEL ELEMENTS | WITHOUT INBUILT FALL

TEC*

- + High-quality C 40/50 concrete
- + Cast-in hot-dipped galvanised solid steel angles
- + BIRCOhyperbola construction form
- + Oil resistant certified
(German certificate No. Z-74.4-181)
- + Visible sealing gap
- + With continuous anchoring system
- + With shift protection of the grating
- + Type I installation up to D 400

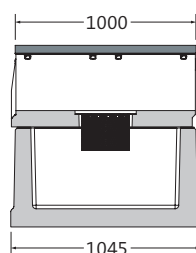


DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ARTICLE NO.
Channel height 450 mm	500 mm	450/450 mm	143.0 kg	A 15 – F 900	8 units	30020531 •
Channel height 450 mm	1000 mm	450/450 mm	285.0 kg	A 15 – F 900	4 units	30020526 •
Channel height 550 mm	500 mm	550/550 mm	158.4 kg	A 15 – F 900	8 units	30020538 •
Channel height 550 mm	1000 mm	550/550 mm	316.8 kg	A 15 – F 900	4 units	30020528 •

OUTFALL UNIT | 2-PIECE

TEC*

- + High-quality C 40/50 concrete
- + 2-piece: Consisting of upper part (channel) with vertical bore DN 315 and lower part with outlet DN 315 with PP pipe socket, drain in the centre
- + With integrated sleeves (in the lower part)
- + 2-sided channel connection
- + Incl. CDP-coated silt bucket
- + Hot-dipped galvanised solid steel angles
- + Visible sealing gap
- + With shift protection of the grating
- + Type I installation up to D 400



Drain in the centre

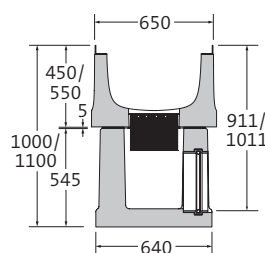


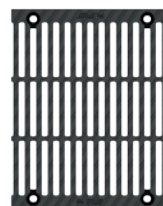
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DESIGNATION	LENGTH AT TOP/ AT GROUND	HEIGHT	WEIGHT	LOAD CLASS	PALLET	ARTICLE NO.
Outfall unit set for height 450 mm	1000/1045 mm	1000 mm	779.0 kg	A 15 – F 900	1 unit	30020567
Outfall unit set for height 550 mm	1000/1045 mm	1100 mm	811.0 kg	A 15 – F 900	1 unit	30020568

TRIPLE-SLOTTED GRATING | DI

TEC*

- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + With anti-displacement protection



LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	637 mm	45 mm	39.8 kg	3x SW 172/18 mm	2513 cm ² /m	A 15 – D400	24 units	30020574 •
500 mm	637 mm	45 mm	48.7 kg	3x SW 172/18 mm	2513 cm ² /m	A 15 – E 600	24 units	30020575 •
500 mm	637 mm	45 mm	53.7 kg	3x SW 172/18 mm	2513 cm ² /m	A 15 – F 900	24 units	30020578 •

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

SOLID HEXAGON® COVER | DI

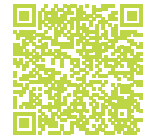
TEC*

- + Solid
- + Black dip-painted
- + 8 M12/A2 bolts per meter
- + Anti-slip classification R10/V10



LENGTH	WIDTH	HEIGHT	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO. BOLT FASTENING
500 mm	637 mm	45 mm	50.5 kg	A 15 – E 600	24 units	30020576 •

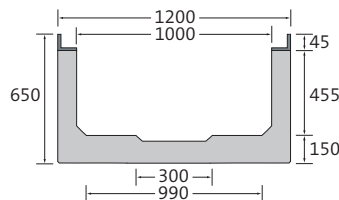
Also available with cathodic or RAL powder coating colour on request.



CHANNEL ELEMENT | WITHOUT INBUILT FALL

TEC*

- + High-quality reinforced grade C 40/50 concrete
- + With cast-in anchor sleeves for mechanical installation
- + Hot-dipped galvanised solid steel angles
- + Reservation for sealing joint

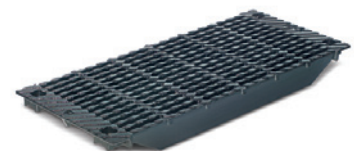
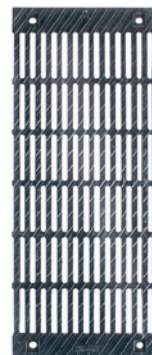


DESIGNATION	LENGTH	HEIGHT AT TONGUE/GROOVE	WEIGHT	LOAD CLASS ACC. TO EN 1433	PALLET	ARTICLE NO.
Channel No. 0/0	2000 mm	650/650 mm	1350.0 kg	A 15 – F 900	1 unit	020934

SIXFOLD SLOTTED GRATING | DI

TEC*

- + Black dip-painted
- + 8 M16/A2 bolt per meter



LENGTH	WIDTH	HEIGHT	WEIGHT	INLET OPENING	INLET CROSS SECTION	LOAD CLASS ACC. TO EN 1433	PALLET	ART. NO.
500 mm	1185 mm	45 mm	151.4 kg	6x SW 155/18 mm	4200 cm ² /m	A 15 – D 400	5 units	020975

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

BIRCOsir® | NW 320 – 1000 | Accessories

Stability and retention capacity

END CAPS FOR NW 320 | GALVANISED STEEL TEC*

DESIGNATION	WIDTH	FOR CHANNEL HEIGHT	WEIGHT	ARTICLE NO.
End cap, height 450	450 mm	450 mm	3.1 kg	30020340 •
End cap, height 550	450 mm	450 mm	4.0 kg	30020342 •
End cap with outlet DN 200 height 450	450 mm	450 mm	3.9 kg	30020345 •
End cap with outlet DN 315 height 550	450 mm	550 mm	4.8 kg	30020347 •
Adapter plate for connecting a 450 mm high channel to a shut-off outfall unit	450 mm	550 mm	2.8 kg	30020348 •

END CAPS FOR NW 420 | GALVANISED STEEL TEC*

DESIGNATION	WIDTH	FOR CHANNEL HEIGHT	WEIGHT	ARTICLE NO.
End cap, height 450	550 mm	450 mm	3.9 kg	30020440 •
End cap, height 550	550 mm	550 mm	5.0 kg	30020442 •
End cap with outlet DN 200 height 450	550 mm	450 mm	4.7 kg	30020445 •
End cap with outlet DN 315 height 550	550 mm	550 mm	6.8 kg	30020447 •

END CAPS FOR NW 520 | GALVANISED STEEL TEC*

DESIGNATION	WIDTH	FOR CHANNEL HEIGHT	WEIGHT	ARTICLE NO.
End cap, height 450	650 mm	450 mm	4.8 kg	30020540 •
End cap, height 550	650 mm	550 mm	6.1 kg	30020542 •
End cap with outlet DN 200 height 450	650 mm	450 mm	5.5 kg	30020545 •
End cap with outlet DN 315 height 550	650 mm	550 mm	7.8 kg	30020547 •

END CAPS FOR NW 1000 | GALVANISED STEEL TEC*

DESIGNATION	WIDTH	FOR CHANNEL HEIGHT	WEIGHT	ARTICLE NO.
End cap, height 650	1200 mm	650 mm	21.5 kg	020940
End cap with outlet DN 315 height 650	1200 mm	650 mm	23.5 kg	020945

SILT BUCKET FOR DRAINAGE CHANNELS WITH VERTICAL DRILLING | 2-PIECE | GALVANISED STEEL

TEC*

- + With PE support disc for socket
- + CDP-coated RAL 9005
- + Only with vertical drilling DN 200 or DN 315 with socket

DESIGNATION	DIAMETER	HEIGHT	WEIGHT	ARTICLE NO.
Silt bucket DN 200 – Ø 170	170 mm	167 mm	0.9 kg	603044 •
Silt bucket DN 315 – Ø 260	260 mm	202 mm	2.1 kg	603045 •

PE-FOAM PANELS | PE-FOAM PLATE FOR EXPANSION JOINT FORMATION

TEC*

- + High-quality PE-foam panel
- + Adjusted to the channel outline, customizable on site
- + BIRCO recommends: Installation every 9 to 12 linear metres in accordance with DIN 18318

DESIGNATION	WIDTH	FOR HEIGHT	WEIGHT	ARTICLE NO.
BIRCOsir® NW 320 PE-foam panel	490 mm	450/550 mm	0.1 kg	608111 •
BIRCOsir® NW 420 PE-foam panel	590 mm	450/550 mm	0.1 kg	608112
BIRCOsir® NW 520 PE-foam panel	690 mm	450/550 mm	0.1 kg	608113

BIRCOsir® LIFTING ACCESSORIES FOR INSTALLATION

TEC*

DESIGNATION	LOAD CAPACITY (PER PIECE)	WEIGHT	ARTICLE NO.
BIRCOsir® NW 100 – 520 Rotatable lifting point (set of 4 pcs) for laying channels and 1-piece outfall unit NW 320	1.00 t	2.0 kg (set)	606108 •
RD 12 lifting loop for laying the lower part of the 2-piece outfall unit (requirement: 4 units.)	0.50 t	0.2 kg/unit	609404 •
BIRCOsir® NW 1000 RD 14 lifting loop (requirement: 4 units)	0.80 t	0.1 kg/unit	606016 •

SERVICE KEY | GALVANISED STEEL

TEC*

- + For shut-off outfall units
- + For manual operation

DESIGNATION	WEIGHT	ARTICLE NO.
Service key SW 16	3.4 kg	044303 •

BIRCOsir® NW 320 – 1000 Drainage performance

The channel systems from BIRCO provide excellent drainage performance.

In addition to this table, BIRCO offers a project-specific hydraulic calculation service.

BIRCOsir® NW 320

HEIGHT	DRAINAGE CAPACITY AT THE CHANNEL END	CROSS-SECTIONAL AREA AT THE CHANNEL END
450 mm	49.6 l/sec	892.6 cm ²
550 mm	67.4 l/sec	1212.6 cm ²

BIRCOsir® NW 420

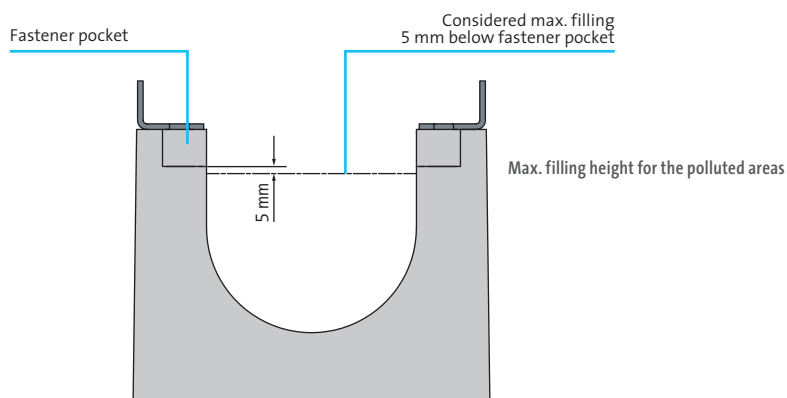
HEIGHT	DRAINAGE CAPACITY AT THE CHANNEL END	CROSS-SECTIONAL AREA AT THE CHANNEL END
450 mm	64.9 l/sec	1167.8 cm ²
550 mm	88.2 l/sec	1587.8 cm ²

BIRCOsir® NW 520

HEIGHT	DRAINAGE CAPACITY AT THE CHANNEL END	CROSS-SECTIONAL AREA AT THE CHANNEL END
450 mm	80.5 l/sec	1448.7 cm ²
550 mm	109.4 l/sec	1968.7 cm ²

BIRCOsir® NW 1000

HEIGHT	DRAINAGE CAPACITY AT THE CHANNEL END	CROSS-SECTIONAL AREA AT THE CHANNEL END
650 mm	252.8 l/sec	4550.0 cm ²



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.