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| **BIRCOsir NW 320 – channel without inbuilt fall made of  C 40/50 concrete, Type I (Load class D 400) or Type M (Load class F 900) according to EN 1433**  + Height 450 mm  + Length 500/1000 mm  + Width at top/at bottom 456/490 mm  + With continuous anchoring system  + Hyperbolic construction form  + Displacement guard of the grating  + Designed for laying from above  + Safety sealing joint  [ ] With hot-dip galvanized steel angle  [ ] With stainless steel angle  [ ] \_\_\_\_\_ m BIRCOsir channel NW 320, Height 450 mm,  Length 500/1000 mm  Width at top/at bottom 456/490 mm   Drainage capacity of 50,48 l/sec  Inlet cross section of 908,6 cm²  [ ] Sealing with SF-Connect  including necessary end caps, delivery and installation according to manufacturer’s installation instructions.  Manufacturer: BIRCO GmbH, Herrenpfaedel 142, 76532 Baden-Baden Tel. 0049 7221 5003-0; Fax 0049 7221 5003-1149; [www.birco.com](http://www.birco.com) | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – channel without inbuilt fall made of  C 40/50 concrete, Type I (Load class D 400) or Type M (Load class F 900) according to EN 1433**  + Height 550 mm  + Length 500/1000 mm  + Width at top/at bottom 455/490 mm  + With continuous anchoring system  + Hyperbolic construction form  + Displacement guard of the grating  + Designed for laying from above  + Safety sealing joint  [ ] With hot-dip galvanized steel angle  [ ] With stainless steel angle  [ ] \_\_\_\_\_ m BIRCOsir channel NW 320, Height 550 mm  Length 500/1000 mm  Width at top/at bottom 455/490 mm   Drainage capacity of 68,25 l/sec  Inlet cross section of 1228,6 cm²  [ ] Sealing with SF-Connect  including necessary end caps, delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – 1-part outfall unit, made of C 40/50 concrete, Load class D 400 (Type I) or F 900 (Type M) according to EN 1433**  + Height 1000 mm  + Length at top/at bottom 1000/1010 mm  + Width at top/at bottom 450/520 mm  + With continuous anchoring system  + Hyperbolic construction form  + Displacement guard of the grating  + For 1- or 2-sided channel connection  + With safety sealing joint  [ ] With hot-dip galvanized steel angle  [ ] With stainless steel angle  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 outfall unit, 1-part  For channel height 450/550 mm  Incl. PEHD-sleeve DA 315 x 7,7 / SDR 41  including necessary end caps, delivery and installation according to manufacturer’s installation instructions. |  | **Total price** |
| **BIRCOsir NW 320 – 2-part outfall unit, incl. silt bucket, channel with angle and lower part, made of C 40/50 concrete, Load class F 900 (Type M) according to EN 1433**  + Channel, Height 1000 mm, with vertical bore hole DN 200 and integrated PEHD-sleeve, incl. CDP coated silt bucket DN 170  + Lower part with horizontal bore hole DN 200, integrated PEHD- sleeve and 4 built-in sleeves for the insertion of handling lugs (suspension gear for laying)  + Length at top/at bottom 1000/1045 mm  + With continuous anchoring system of channel and lower part  + Hyperbolic construction form  + Displacement guard of the grating  + Channel with accessible safety sealing joint  [ ] With hot-dip galvanized steel angle  [ ] With stainless steel angle  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 outfall unit, 2-part  With channel height 450 mm  Width at top/bottom 456/640mm  Overall height 1000 mm  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 outfall unit, 2-part  With channel height 550 mm  Width at top/bottom 455/640mm  Overall height 1100 mm  including necessary end caps, delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – Ductile iron slotted grating**  + Length 498 mm  + Width 437 mm  + Height 45 mm  + with displacement guard  Load class according to EN 1433, with 8-point per meter M12/A2-bolt fastening per meter  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 ductile iron slotted grating   Black immersion lacquered   Slot width 162/17,5 mm   Inlet cross section 1531 cm²/m   Load class D 400 / E 600 / F 900  Delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – Ductile iron mesh grating**  + Length 498 mm  + Width 437 mm  + Height 45 mm  + With displacement guard  Load class according to EN 1433, with 8-point per meter M12/A2-bolt fastening per meter  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 ductile iron mesh grating  Black immersion lacquered   Mesh width 18/18 mm  Inlet cross section 1733 cm²/m   Load class E 600  Delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |

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| **BIRCOsir NW 320 – End caps with and without outlet**  + Width 450 mm  [ ] Galvanized steel  [ ] Stainless steel  [ ] \_\_\_\_\_ pce of end cap(s) for channel height 450/550 mm,   without outlet  [ ] \_\_\_\_\_ pce of end cap(s) for channel height 450 mm, outlet DN 200  [ ] \_\_\_\_\_ pce of end cap(s) for channel height 550 mm, outlet DN 315  Delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – Silt buket**  + PE support washer  + Silt bucket with CDP coating  + Only suitable for vertical bore hole DN 315 with PP sleeve  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 Silt bucket d 260  for vertical bore hole DN 315  Delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – PE-foam panel for expansion joint formation diagonally to the channel line**  + prefabricated for BIRCOsir NW 320 constr. height 550 mm + adjustable on site if the channel height is lower  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 PE-foam panel  Delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – Sling swivel, suspension gear for channels and  1-part outfall unit**  + Sling swivel, Set of 4 pieces  + Load capacity per piece 1 t    [ ] \_\_\_\_\_ BIRCOsir NW 320 Sling swivel, Set of 4 pieces    Delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – Handling lugs, suspension gear for lower part of the 2-part outfall unit**  + Handling lugs RD 12  + 4 pieces required  [ ] \_\_\_\_\_ pce BIRCOsir NW 320 handling lugs RD 12, 4 pieces required  Delivery and installation according to manufacturer’s installation instructions. | **Unit price** | **Total price** |

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| **BIRCOsir NW 320 – Cutting of channels including grating** and painting or galvanizing of cut angles and gratings. For mesh gratings welding of end pieces and galvanizing.  [ ] \_\_\_\_\_ BIRCOsir NW 320 channel cut at 90°  Cut to \_\_\_\_\_ mm at 90° angle  [ ] \_\_\_\_\_ BIRCOsir NW 320 channel mitre cut according to degree specification  Angle of \_\_\_\_\_ | **Unit price** | **Total price** |
| **BIRCOsir NW 320 – Hole drilling of channel**  + Horizontal or vertical drilling  + According to installation instruction: at least 10 cm distance to the channel end  + With integrated PEHD sleeve  **Horizontal drilling**  [ ] BIRCOsir NW 320 Hole drilling  Diameter \_\_\_\_\_  Height 450 max. DN 200, Height 550 max. DN 300  **Vertical drilling**  [ ] BIRCOsir NW 320 Hole drilling  Diameter \_\_\_\_\_ (max. DN 300) | **Unit price** | **Total price** |