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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-Connectincluding necessary end caps, delivery and installation according to manufacturer’s installation instructions.Manufacturer: BIRCO GmbH, Herrenpfaedel 142, 76532 Baden-BadenTel. 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-Connectincluding 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 guardLoad 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 900Delivery 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 guardLoad 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 600Delivery 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 315Delivery 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 315Delivery 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 panelDelivery 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 requiredDelivery 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 drillingDiameter \_\_\_\_\_Height 450 max. DN 200, Height 550 max. DN 300**Vertical drilling**[ ] BIRCOsir NW 320 Hole drillingDiameter \_\_\_\_\_ (max. DN 300) | **Unit price** | **Total price** |