



system-description: BGF-Z, BGU-Z NW100

Line-drainage-system consisting of:

- **Channel Body** made of cement with concreted edge made of galvanized steel or stainless steel 1.4301 or cast iron, standard length 1000mm, with safety seam
 - optional: channels with internal slope 0.5% / with or without bottom outlet / 500mm / shallow channel
 - Load Class A15kN - E600kN; tested according to EN1433; CE-certified
 - 2 times quick-locking system (SV) per cover, no crossbars in the channel cross-section
 - the ductile iron bar grating cl. E can be 4-point bolted in the channel with cast iron edge only. This means a secure 8-point bolting per linear meter.
 - gratings equipped with the quick-locking system (SV) up to cl. D can be bolted in addition (4 bolts)
- **Channel Covers** cl. C250kN - E600kN depending on the requirements out of galvanized steel, stainless steel 1.4301 or ductile iron (GGG) with quick-locking system (SV) or screw connection: mesh grating MW30/10, ductile iron slotted gratings: SW 16/120, 6/120, 18/120, ductile iron bar grating MW27/13
- **Accessoires:**
 - sump unit: out of cement with concreted edge matching the channel
 - optional: silt bucket (plastic), odor trap (plastic)
 - Front and end plates out of galvanized steel or stainless steel 1.4301; with or without outlet

specification text:

1. prefabricated drainage channels, NW 100mm of cement with concreted galvanized steel edge, stainless steel edge or cast iron edge to load class E600kN, manufactured and tested to EN1433 - CE certified, with or without bottom outlet
construction length: 1000mm (500mm - on channels without slope)

NW100 BGU-Z:	width: 163mm	height: 165 - 265 mm	wall thickness: 30mm
NW100 BGF-Z	width: 163mm	height: 80/100 mm	wall thickness: 30mm
max. weight:	BGU-Z: 0 – 20-0: 37 – 52kg	BGF-Z: 17 / 23kg	
2. gratings made of galvanized steel, stainless steel (1.4301) or ductile iron with integrated protection against longitudinal movement and quick-locking system (SV), load class C250kN - E600kN, manufactured and tested according to EN1433 - CE certified
 - cl. C: mesh grating: length 1000/500mm, MW30/10 – galvanized steel
 - cl. D: mesh grating: length 1000/500mm, MW30/10 - galvanized steel
 - cl. C: ductile iron grating: length 500mm, SW16/120 - ductile iron
 - cl. C: ductile iron grating: length 500mm, SW6/120 - ductile iron
 - cl. D: ductile iron grating: length 500mm, SW18/120 - ductile iron
 - cl. E: ductile iron bar grating: length 500mm, MW27/13- ductile iron
3. sump unit of cement with concreted edge made of galvanized steel, stainless steel (1.4301) or cast iron
Dimensions: length 500mm, (WxH) 201x510
outlet: DN 100 by pipe-coupling RDS
optional: silt bucket made out of plastic
4. front / end plates without or with outlet DN100 galvanized steel or stainless steel (1.4301)
5. odor trap for bottom outlet DN100 made of plastic
6. bolting material for ductile iron bar grating cl. E made of galvanized steel or stainless steel (1.4301)