



Line-drainage-system consisting of:

- **Channel Body** made of FILCOTEN[®] fiber composite material 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 / mini Load Class A15kN - E600kN; tested according to EN1433; CE-certified 4 times fiX-shutter per cover, no crossbars in the channel cross-section the cast longitudinal bar grating cl. E can be bolted in the cast iron edge. tested and recommended by the IBR (Institut für Baubiologie Rosenheim)
- **Channel Covers** A15kN - E600kN depending on the requirements out of galvanized steel, stainless steel 1.4301 or cast iron (GGG) with fiX-shutter or screw connection: mesh grating MW30 / 10, ductile iron bar grating MW29 / 13, ductile iron slotted grating SW 14/100, slot tops SW12,5 or 18mm
- **Accessoires:**
 sump unit: out of FILCOTEN[®] fiber composite material with concreted edge matching the channel
 optional: silt bucket (plastic), odour trap (plastic)
 Front and end plates out of galvanized steel or stainless steel 1.4301; with or without outlet
 additional anti vandalism locking device



specification text:

1. prefabricated drainage channels, of cement-bonded, mineral, fiber composite material FILCOTEN[®] with concreted galvanized steel edge, stainless steel edge or cast iron edge to load class E600kN, according to EN1433 - CE certified, IBR tested and not flammable (class A1) with or without drain hole and integrated anchorage back taper.
 Construction length: 1000mm (500mm - on channels without slope)
 NW100 mini: width: 138mm height: 60 / 80mm
 NW100: width: 138mm height: 142 – 195 mm
 max. weight: mini: 9,1 – 11,1kg 0 – 10-0: 18,3 – 26,1kg

2. gratings made of galvanized steel, stainless steel 1.4301 or cast iron with integrated protection against longitudinal movement and fiX-shutter, load class A15kN - E600kN, according to EN1433 - CE certified

cl. B: mesh grating:	length 1000/500mm	MW30/10	galvanized steel
cl. C: mesh grating:	length 1000/500mm	MW30/10	galvanized steel and 1.4301
cl. D: mesh grating:	length 1000/500mm	MW25/10	galvanized steel and 1.4301
cl. C: slotted grating:	length 1000/500mm	SW8/80	galvanized steel and 1.4301
cl. C: perforated grating:	length 1000/500mm	d6mm	galvanized steel and 1.4301
cl. C: ComBee grating:	length 500mm	d7,3mm	polyamide
cl. C+D: ductile iron bar grating:	length 500mm	MW29/13	ductile iron
cl. C: ductile iron bar grating:	length 500mm	MW29/6	ductile iron
cl. E: ductile iron slotted grating:	length 500mm	SW14/100	ductile iron
cl. E: ductile iron bar grating:	length 500mm	MW22/13	ductile iron to screw

Slotted top asymmetric made of galvanized steel or stainless steel 1.4301, SW 12,5mm and 18mm, SH 110mm

Load classes: C250kN (Class D400kN on request)

cl. C: slotted top:	length 1000mm	H133mm	SW 12,5 and 18mm
Maintenance unit to slot top:	length 500mm		

Slot inlay square-perforation 8/8mm for SW18mm:	length 1000/500mm
Construction time barrier out of wood for SW12,5/18:	length 1000mm

3. sump unit of fiber composite material FILCOTEN[®] with concreted edge made of galvanized steel, stainless steel 1.4301 or cast iron
 Dimensions: length 500mm, (WxH) 145x600mm
 outlet: DN 100 by pipe-coupling
 optional: silt bucket and odour trap made of plastic
4. front / end plates with or without outlet DN100 galvanized steel or stainless steel 1.4301



system-description: FILCOTEN[®] pro NW100

5. grating anchoring to vandalism and theft of stainless steel; crosspiece for blocking the fiX-shutter
6. bolting material for ductile iron bar grating cl. E made of galvanized steel or stainless steel 1.4301
7. odour trap for bottom outlet DNI00 made of plastic