Specialised products
for transport infrastructure construction

- *BODAN* railway crossing system
- GRP structures
- Precast concrete products
- Cable construction products made of concrete and plastic

ÖBS®

The effective drainage and infiltration system for railway transport infrastructure

The porosit® drainage/seepage system

with series/user approval from DB Netz AG: TM 4-2020-10032 I.NPF 2

An inadequate, unstable substructure and poor drainage conditions are the cause of high maintenance costs and repair work in the track superstructure – lasting stability of the track bed can only be achieved through the effective drainage of surface and subsoil water.

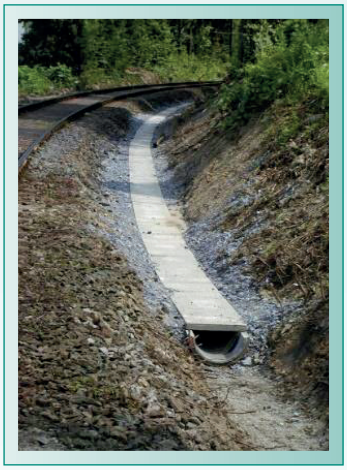
The **porosit® drainage/seepage system**, with its porous concrete half-shells, is the optimal solution for absorbing surface and subsoil water, draining it away linearly and seeping it away in a controlled and even manner into water-permeable soil conditions.

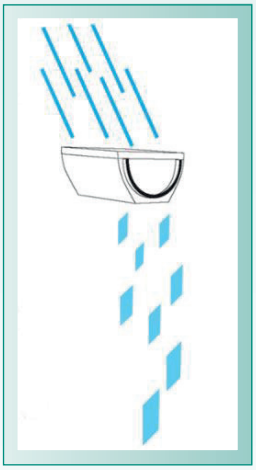
The **porosit® half-shells** guarantee a permanently functional drainage system and thus favourable substructure conditions for a permanently stable track position.

The **porosit® drainage/seepage system** consists of a concrete half-shell with a porous structure and a cover slab. Optionally, the half-shell can be fitted with a concrete cable duct size IIIa (inner dimensions). This means that the **porosit® drainage/seepage system** can be used as a combined edge path and/or cable duct system.

The half-shells are connected by means of a tongue and groove system. The cover slab is placed on the half-shell with a support frame.

For a permanently stable track position through permanently effective drainage!

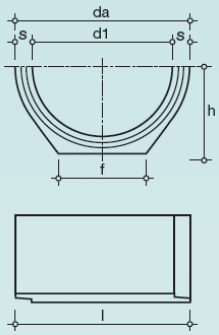




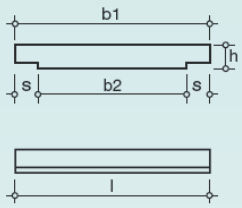
ÖBS GmbH · Zur Ripsbek 2 · D-22952 Lütjensee, Germany · Phone +49 (0) 4154 99 88 400 · www.oebs-gmbh.de

Dimensions and weights

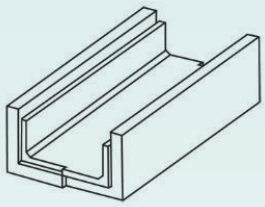
Half-shell	
DN	400 mm
da	500 mm
d1	400 mm
s	50 mm
l	500 mm
f	250 mm
h	250 mm
Weight per unit	approx. 40 kg
Weight per m	approx. 80 kg



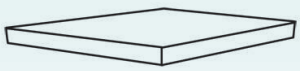
Cover slab	
b1	500
b2	380
s	60
l	500
h	60
kg/unit	approx. 35
kg/m	approx. 70



Cable duct size IIIa (inner)	
Size	IIIa (inner)
Outer width	515 mm
Inner width	345 mm
Outer height	275 mm
Inner height	155 mm
Length	1,000 mm
Weight	147 kg



Cover size IIIa (inner)	
Size	IIIa (inner)
Width	400 mm
Height	60 mm
Length	500 mm
Weight per unit	27 kg
Weight per m	54 kg



Half-shell with cable duct and cover size IIIa (inner)	
Outer height	525 mm
Length	1,000 mm
Weight	approx. 280 kg