

PVC-U Flexible Corrugated Drainage Pipe to DIN 1187



40 years PVC-U Drainage
Pipes from HEGLER
proven, reliable, quality-controlled
DIN 1187

EURODRAIN:

Flexible corrugated pipes of polyvinylchloride (PVC-U) for agricultural drainage; meeting the specifications of DIN 1187; reliable in operation thanks to the special and patented perforation; available with fleece or coconut filter

Application:

- Soil conservation in agriculture
- Subsoil drainage of sports fields
- Subsoil drainage of civil engineering structures outside of traffic loads

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Corrugated and Twin
Wall Pipes of Plastics



EURODRAIN Land Drainage Pipes – Tr



EURODRAIN drainage pipe

- Made from PVC-U
- Flexible
- Light-weight and robust
- Installation in open trenches or trenchless
- Special HEGLER slotting technique: great number of short, clean-edged slots
- Extensive range of accessory

EURODRAIN drainage pipes of PVC-U

EURODRAIN drainage pipes are made from PVC-U, a long-established raw material that has proved its versatility for decades.

The high modulus of elasticity of PVC-U imparts reliable mechanical strength and load-bearing capacity. PVC-U is resistant to chemicals and bio-chemical effects so that EURODRAIN can withstand all natural substances occurring in the soil.

Circular corrugated pipe, flexible along the axis, stable in cross-section

EURODRAIN corrugated pipes have a circular corrugation which renders adequate stability with low material consumption. The pipe's resistance to earth pressure is established by a peak compression test.

The circular corrugated pipe is flexible along the axis; corresponding tests on bending strength and flexibility furnish proof.

Pitch and height of corrugation and wall thickness of the pipe are concerted in a way that the product can absorb a certain extent of impact energy: The pipe is capable of resisting a stone disengaging from the trench wall and dropping down, even at temperatures of $0\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$. A feature that makes EURODRAIN highly reliable, also in bad weather.

For drainage pipes to be laid by drainage ploughs they need to be resistant to tensile stresses. EURODRAIN meets this requirement when subjected to appropriate tests.

The EURODRAIN size range complies with the sizes specified for Form A pipes in DIN 1187: DN 50, 65, 80, 100, 125, 160 and 200.

Unique slotting method

The DIN 1187 standard specifies that water inlets be of a certain width and be arranged around the circumference in at least five rows. The total area of water inlets (perforations) must not fall below $8\text{ cm}^2/\text{m}$. Water inlets are available in the following three variants:

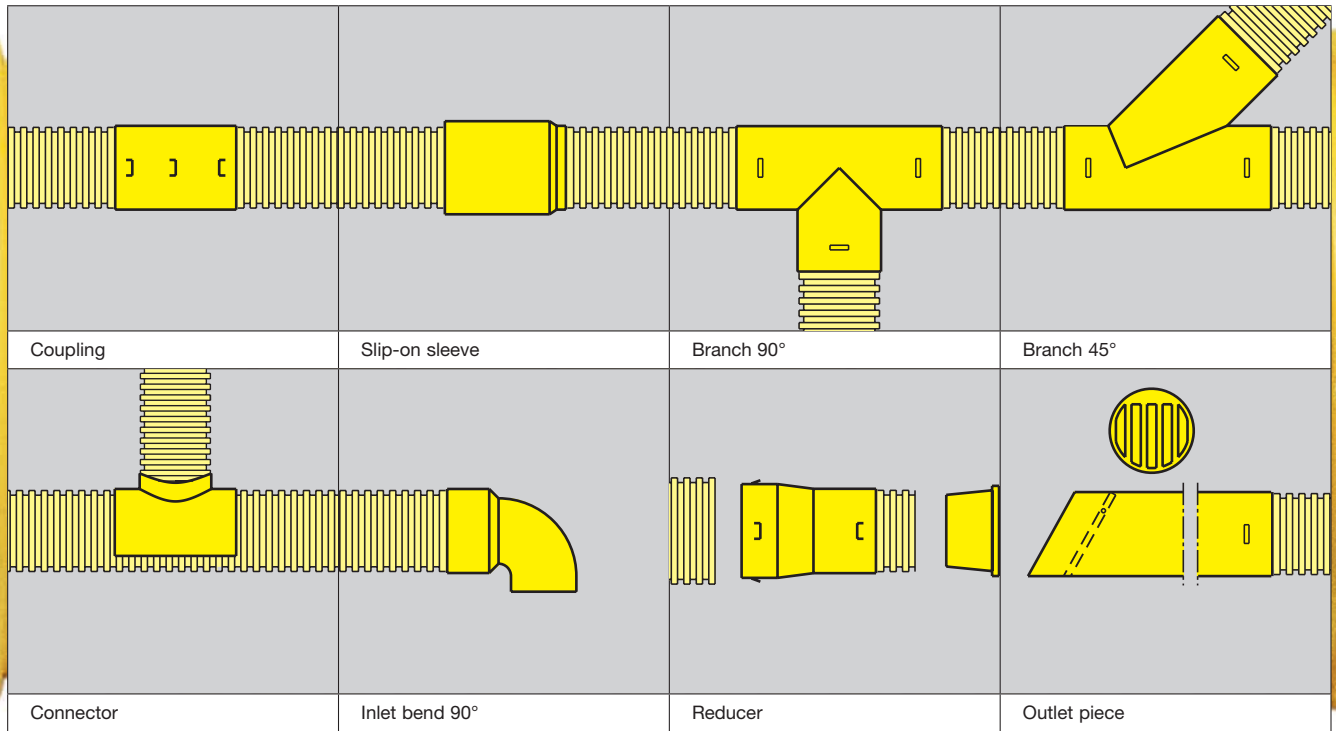
- $0.8 \pm 0.2\text{ mm}$ (type I),
- $1.2 \pm 0.2\text{ mm}$ (type II),
- $1.7 \pm 0.2\text{ mm}$ (type III).

Variant b) is the standard slotting.

EURODRAIN pipes meet these requirements by far. The special slotting technique developed by and patented to HEGLER allows nearly any number of water inlets to be uniformly arranged around the pipe's circumference. The water inlets are short, clean-edged and located in the corrugation valleys.

The water inlet area clearly exceeds the specified value of $8\text{ cm}^2/\text{m}$. That means there is a high degree of reliability even if some of the water inlets get clogged.

ied and Tested for More Than 40 Years



Accessories

The fittings depicted above are available for the EURODRAIN size range. All fittings are suitable for installation in open trenches or by the trenchless method.

The accessory is also suited for the construction of sports fields drainage facilities and for subsoil drainage lines around structures in contact with the soil.

Filter pipes

EURODRAIN pipes are offered with a seamless wrapping of coco fibre durably fixed on the pipe by plastic twine. By this filter, which also is a soil stabilizer, water absorption capacity is highly increased. Suitable for sandy and clayey soils.



As an option EURODRAIN pipes are available with a thermally reinforced polypropylene fleece filter. The material overlaps and is fixed on the pipe by filament. The filter is suited for light, sandy and clayey soils of a stable structure.



Quality control – Conformity with standard – Marking

EURODRAIN's properties result from the requirements of DIN 1187. They are ensured by regular factory control and a surveillance contract with the independent testing institute, Süddeutsches Kunststoffzentrum (SKZ), Würzburg.



A 667/A 668

Every five metres, the pipes bear the following marking on the corrugation tops:
Example: HEGLER-EURODRAIN, SKZ tested; nominal size DN 80, year of production 2014.

Important:

In order to avoid deformation, care has to be taken that EURODRAIN coils are stored in a way that the least possible pressure is exerted on the lowermost coil. In the field, four coils can be piled; at the site of the manufacturer, or any other place prepared accordingly, eight coils. The storing surface must be level. Coils must not be dragged on the floor or over hard objects.

Pipes should not be tipped or thrown during transport. In moderate climate, storage in the open air for more than three months (from supply by the manufacturer) should be avoided.

Compacting equipment should not be applied directly on top of the pipes. In the vicinity of the pipes only light compacting equipment is to be used.

Filter material, gravel or broken material 0/32 mm must not be tipped from great heights directly onto the pipes.

The pipe's impact resistance reduces at low temperatures ($T \leq 5 \text{ }^\circ\text{C}$). At such temperatures, transport and installation should be effected with the necessary care.

The information given in this brochure is the most up-to-date available and is intended to provide information on our products and their possible applications. It is not a guarantee of certain features or of their suitability for certain specific applications. Our guarantee applies to compliance with our specifications, within the scope of our General Terms and Conditions. The schematic drawings (pipe/accessories) are indicative only. They are not binding as to product geometry. The current edition supersedes any former versions. Subject to change.

Technical details

Nominal size	DN	50	65	80	100	125	160	200
Outside diameter	mm	50	65	80	100	125.5	159.5	199.5
Inside diameter	mm	≥ 44	≥ 58	≥ 71.5	≥ 91	≥ 115	≥ 144	≥ 182
Water inlets	pcs/m	500	571	714	625	625	454	417
Water inlet area	(cm ² /m)							
type I		20	23	34	30	40	46	30
type II		30	34	51	45	60	69	45
type III		45	51	77	67	90	103	68

Packing details

Nominal size	DN	50	65	80	100	125	160	200
Coil length	m	50 (200)	50 (150)	50 (100)	50 (100)	50	50	45
Coil outside diameter	cm	100 (125)	110 (135)	130 (145)	130 (165)	140	175	250
Coil width	cm	28 (45)	35 (55)	40 (50)	55 (60)	60	85	65

Accessories

Nominal size	DN	50	65	80	100	125	160	200
Coupling		○	○	○	○	○	○	○
Slip-on sleeve		○	○	○	–	–	–	–
Reducer		○—○	○—○	○—○	○—○	○—○	○—○	○—○
Adaptor to 100 mm solid-wall pipe		–	–	–	○	–	–	–
Branch 45°		○	○	○	○	○	○	○
Branch 90°		○	○	○	○	○	○	○
Longneck connector		various options for connection to the smaller size						
Inlet bend 90°		○	○	○	○	–	–	–
Bend 90°		○	○	○	○	○	○	○
Outlet piece		○	○	○	○	○	○	○
Plug		○	○	○	○	○	○	○
Vent fixture		–	–	–	○	–	–	–

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