

X-Stream

Pipe system for mixing and separating channels according to DIN EN 13476-3

Application area:

X-Stream is a profiled pipe system with ring stiffness of SN8, outside black and inside bright. The system can be used both in the sewer and in the rainwater systems. The seal is assembled on site on the spigot end between two corrugations. The homogeneous wall structure and the highly modular polypropylene allow the use under heavy traffic LM 1 (DIN EN 1991-2/NA) former SLW60 and installation depths from 0.5 m to 6.0 m. The pipe system X-Stream can be used for the derivation of domestic, communal and industrial waste water in accordance with the chemical resistance. With individual transition and special fittings for the construction of storage channels up to a dimension of DN800.

Product specifications:

- ⊕ Nominal sizes: DN/ID 150 – DN/ID 800
- ⊕ Range of fittings: bends, branches, double sockets, transitions and special fittings (see product range) in DN/ID 150 – DN/ID 800
- ⊕ Material: Polypropylene (PP)
- ⊕ Color: black outside; white inside
- ⊕ Standards: DIN EN 13476-3
- ⊕ Connections: push fit system
- ⊕ Sealing material: according to DIN EN 681-1, EPDM
- ⊕ Sealing reliability: tested at 0.5 bar pressure
- ⊕ Chemical resistance: according to chemical resistance list, ISO/TR 10358, DIN EN 1852; pH 2–12

Installation conditions:

- ⊕ Installation must be in accordance with DIN EN 1610
- ⊕ Compaction in layers of max. 30 cm height
- ⊕ Grain sizes depend on nominal pipe diameter and grain properties according to DIN EN 1610
- ⊕ Lower bedding layer according to Type I (100 – 150 mm), support angle of 90° and a cover of 150 mm
- ⊕ Compaction according to DIN EN 1610; depending on application Proctor \geq 95%



X-Stream

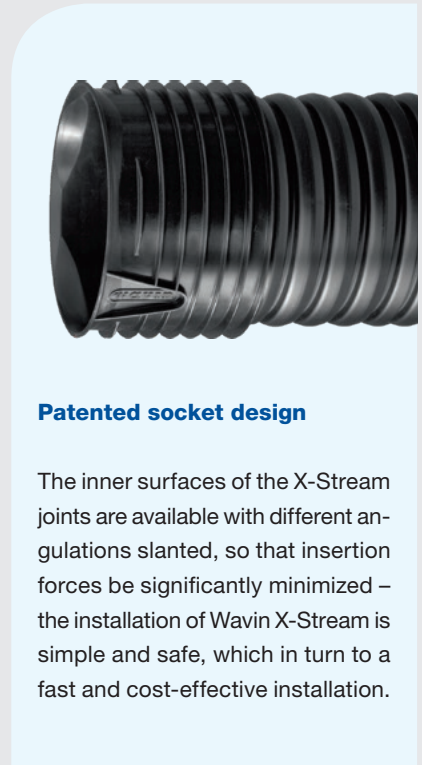
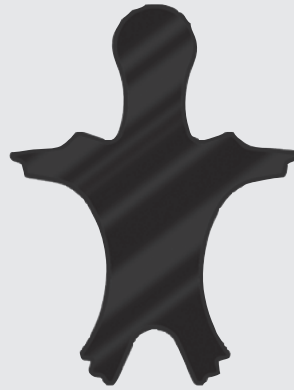
System specifications:

General	Diameter	DN/ID 150 – DN/ID 800
	Material	PP
	Ringstiffness (according to DIN EN ISO 9969)	≥ 8 kN/m ²
Construction/Seals	System	profiled pipe
	inside	smooth/bright
	outside	profiled
	Connections	push fit
Seal	standard	EPDM
Static	Min. coverage	0.50 m
	Max. coverage	6.00 m
	Max. installation depth in groundwater	5.00 m
	Traffic load	LM 1 according to DIN EN 1991-2/NA, rather: SLW 60 according to DIN 1072
Approvals and relevant standards	Product standard	DIN EN 13476-3
	Application standard	DIN EN 476
	Seal	DIN EN 681
	Installation	DIN EN 1610
	Guidelines	ATV-DVWK-A 142 ATV-DWK-A 127 DWA-A 118 DWA-A 139 ZTV A-StB 97 ZTV E-StB 09

Sealing system:

Symmetrical sealing

The sealing ring made of EPDM is easy to clean thanks to the symmetrical construction independent of direction and thus offers protection against ex- and infiltration. A tightness up to 0.5 bar is guaranteed by the interplay of construction and sealing component is ensured.



Patented socket design

The inner surfaces of the X-Stream joints are available with different angulations slanted, so that insertion forces be significantly minimized – the installation of Wavin X-Stream is simple and safe, which in turn to a fast and cost-effective installation.

Weight:

Thanks to its special profile and polypropylene material, the Wavin X-Stream pipe construction offers a considerable weight advantage over concrete. With a weight saving of more than 90 %, Wavin X-Stream is therefore significantly easier to transport and install.

Diameter mm	Wavin X-Stream nach DIN EN 13476 kg/m	concrete pipes KW DIN 4032 kg/m	concrete pipes FKW DIN 4032 kg/m	reinforced concrete pipes DIN 4032 kg/m
DN/ID 200	2,2	-	-	-
DN/ID 250	3,2	-	-	-
DN/ID 300	4,5	164	205	185
DN/ID 400	8,1	250	296	255
DN/ID 500	12,4	420	440	336
DN/ID 600	17,0	564	630	460
DN/ID 800	34,0	972	1000	982