

PRODUCT SPECIFICATION SHEET

Tegra 1250 PE

The new large chamber according to DIN EN 13598-2

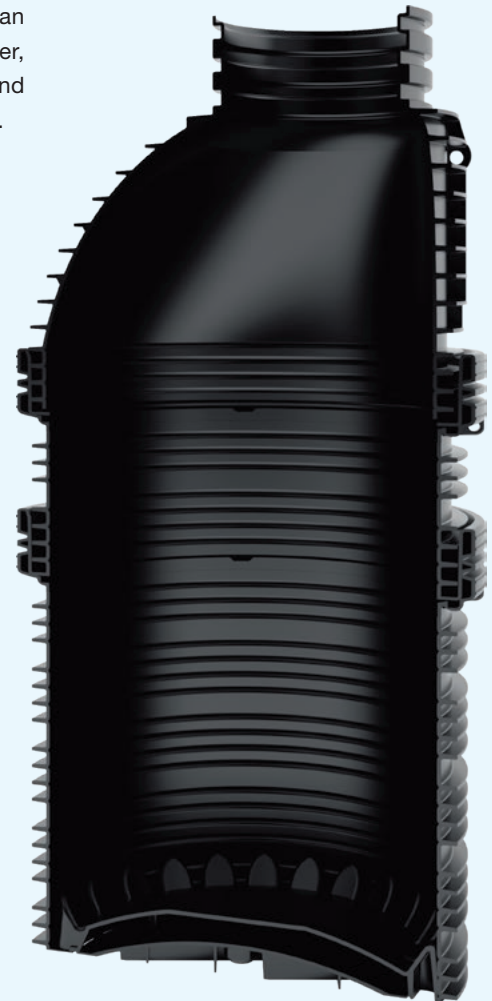


Application area:

The manhole system can be used in sewer-, foul- and rainwater applications. It can be equipped with different connections, flowprofiles and instruments like watermeter, flowcontrols or other equipment. Tegra 1250PE can be installed in non-traffic and heavy traffic areas. The installation depth is up to 6.0m and 5.0m in Groundwater.

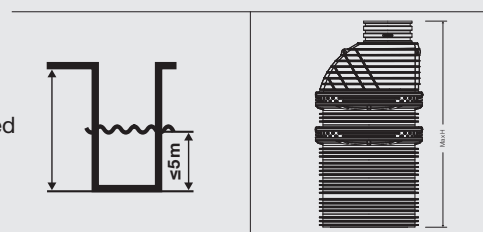
Product specifications:

- ⊕ Inside diameter: DN/ID 1250
- ⊕ Base: outside ribbed, inside smooth, closed bottom plate
- ⊕ Flow profile: individual (on request)
- ⊕ Connection dimensions: DN/OD 160, 200, 250, 315, 400, 500, 600, 800
- ⊕ Connection: socket for smooth wall pipes, with flexible ball joint infinitely adjustable up to 15°; fixed spigot; PE-flexible ball joint for welding
- ⊕ Shaft pipe: outside/inside ribbed; ladder made of GFK (optional)
- ⊕ Cone: opening 600mm for covers DN 600 or 800mm for covers DN 800, eccentric; ladder made of GRP according to BG 177 (optional)
- ⊕ Cover: depends on type of traffic, directly; A 15, B 125, D 400 according to DIN EN 124
- ⊕ Support ring: made of concrete alternate plastic DN 625, concrete cover plate DN/ID 600 or DN/ID 800
- ⊕ Material: base, shaft pipe, cone Polyethylen (PE); cover A 15 (PE/PP), cover B 125 and D 400 cast iron
- ⊕ Color: black
- ⊕ Standards: following to DIN EN 13598-2
- ⊕ Connections: push fit system
- ⊕ Seal material: according to DIN EN 681-1, SBR
- ⊕ Lifetime: up to 100 years
- ⊕ Installation depth: max. 6.0m, in ground water max. 5.0m

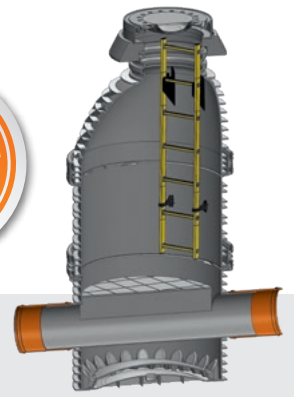


Installation conditions:

- ⊕ Installation has to be done in line with DIN EN 1610
- ⊕ Compaction pending on traffic area between 95% (non-traffic area) and 98% (heavy traffic area)
- ⊕ Basement on bedding material according DIN EN 1610, no concrete needed
- ⊕ Min backfill around the base and shaft DN/2
- ⊕ Protection against floating up to 5.0m by full compaction and bedding material as described in DIN EN 1610



Tegra 1250 PE



System specifications:

General	Diameter inside	DN/ID 1250	
	Material	PE	
	Manhole	yes	
	Integrated ladder	optionally	
Construction	System	individual components or monolithic (welded)	
	Base	outside/inside	ripped/smooth
	Bottom	outside/inside	ripped/smooth
	Shaft	outside/inside	ripped/smooth
	Cone	outside/inside	ripped/smooth
	Telescope		possible (Tegra 600), not entrance
	Connection	Push fit	flexible ball joint
fixed socket			up to DN 800
fixed spigot			up to DN 800
Welding		spigot, flexible ball joint	Da 160 – Da 355
		fixed spigot	up to Da 630
Connection in shaft		on request	
Seals	Pipe connections		EPDM (flexible ball joint) SBR (fixed socket)
	Shaft connections		EPDM
	Telescope/cover		EPDM
Static	Max. installation depth		1.18 m/6.00 m
	Max. installation depth in groundwater		5.00 m
Approvals and relevant standards	Traffic load		LM 1 according to DIN EN 1991-2/NA, rather: SLW60 according to DIN 1072
	Cover classes		A 15 – D 400
	Product standard		DIN EN 13598-2
	Seal		DIN EN 681
	Cover		DIN EN 124
	Application standard		DIN EN 476 DIN EN 752 DIN 1986
	Installation		DIN EN 1610
	Guidelines		ATV-DVWK-A 142 DWA-A 110 DVS 2207-4
	Instructions		BG-177

System components:

