

## Product Specification Sheet

# Tegra 1000 PP

The manhole system made with polypropylen according to DIN EN 13598-2

## Application area:

Wavin Tegra 1000 PP can be installed in sewer- and rainwater applications. The manhole system consist of a base with different flowprofiles and connections as well as a shaft pipe and cone. Tegra 1000 PP can be installed in heavy traffic area according to LM 1 (DIN EN 1991-2/NA) former SLW60. Smooth wall pipe systems according to DIN EN 1401, 1852, 14758, 13476-2

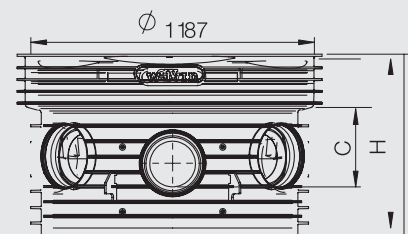
X-Stream pipes according to DIN EN 13476-3 and welding PE-pipesystems according to DIN EN 12666 can be connected directly. Installation depths up to 6.0m, in groundwater max. 5.0m, are possible. The manhole system can be equipped with integrated flexible ball joints to adjust change in directions and gradients,

## Products specifications:

- ⊕ Inside diameter: DN/ID1000
- ⊕ Base: outside ribbed, inside smooth, closed bottom plate
- ⊕ Flow profile: straight, bend, branch (see technical manual)
- ⊕ Connection dimensions: DN/OD160, 200, 250, 315
- ⊕ 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: corrugated
- ⊕ Cone: opening 600mm for standard-covers DN625, eccentric; incl. brackets for ladder
- ⊕ Cover: depends on type of traffic, directly or with telescope; A15, B125, D400 according to DIN EN 124
- ⊕ Support ring: made of concrete alternate plastic DN625
- ⊕ Material: base, shaft pipe, cone polypropylene (PP); cover A15 (PE/PP) cover B125 and D400 cast iron
- ⊕ Color: black
- ⊕ Standards: following to DIN EN 13598-2
- ⊕ Connections: push fit system
- ⊕ Seal material: according to DIN EN 681-1, EPDM and SBR
- ⊕ Leak tightness requirement: pressure test 0.5bar
- ⊕ 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



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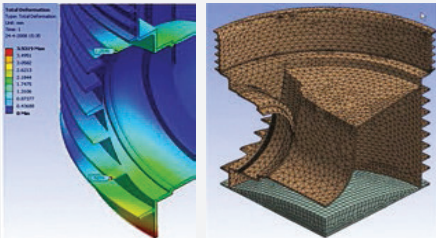
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## SYSTEM SPECIFICATIONS:

General	Diameter inside	DN/ID1000
	Material	PP
	Manhole	yes
	Integrated ladder	optionally
Construction	System	push fit system
	Chamber outside/inside	ribbed/smooth
	Base outside/inside	ribbed/smooth
	Shaft pipe outside/inside	ribbed/smooth
	Cone outside/inside	ribbed/smooth
Connection	Push fit flexible ball joint	DN160 – DN315
	Connection in shaft	on request
Seals	Pipe connections	EPDM (ball joint socket)
	Shaft connections	EPDM
	Cover	EPDM
Static	Max. installation depth	6.00m
	Max. installation depth in groundwater	5.00m
	Traffic load	LM1 according to DIN EN 1991-2/NA, rather: SLW60 according to DIN 1072
Approvals and relevant standards	Cover classes	A15 – D400
	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-DWWK-A 142 DWA-A 110 DVS 2207-4
	Instructions	BG-177

## SYSTEM COMPONENTS:



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